

## Refine Search

### Search Results -

Terms	Documents
L4 and pigment adj deficient	0

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L6





### Search History

 DATE: Thursday, December 16, 2004    [Printable Copy](#)    [Create Case](#)
**Set Name Query**

side by side

**Hit Count Set Name**

result set

*DB=USPT; PLUR=YES; OP=AND*

<u>L6</u>	L4 and pigment adj deficient	0	<u>L6</u>
<u>L5</u>	L4 and mutant	67	<u>L5</u>
<u>L4</u>	L1 and red adj pigment	91	<u>L4</u>
<u>L3</u>	L1 and yvmc	0	<u>L3</u>
<u>L2</u>	L1 and cypx	0	<u>L2</u>
<u>L1</u>	bacillus	23590	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

Clear

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Fwd Refs

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Search Results - Record(s) 1 through 10 of 67 returned.

☐ 1. Document ID: US 6803499 B1

L5: Entry 1 of 67

File: USPT

Oct 12, 2004

US-PAT-NO: 6803499

DOCUMENT-IDENTIFIER: US 6803499 B1

TITLE: Methods and compositions for the production of stably transformed, fertile monocot plants and cells thereof

DATE-ISSUED: October 12, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; Paul C.	Stonington	CT		
Flick; Christopher E.	Old Saybrook	CT		
Gordon-Kamm; William J.	Stonington	CT		
Kausch; Albert P.	Stonington	CT		
Mackey; Catherine J.	Old Lyme	CT		
Orozco; Emil M.	Groton	CT		
Orr; Peter	Pawcatuck	CT		
Stephens; Michael A.	East Lyme	CT		
Walters; David A.	Groton	CT		
Walters; Donald S.	Mystic	CT		

US-CL-CURRENT: [800/281](#), [800/288](#), [800/295](#), [800/298](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D.
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☐ 2. Document ID: US 6777589 B1

L5: Entry 2 of 67

File: USPT

Aug 17, 2004

US-PAT-NO: 6777589

DOCUMENT-IDENTIFIER: US 6777589 B1

TITLE: Methods and compositions for the production of stably transformed, fertile monocot plants and cells thereof

DATE-ISSUED: August 17, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Lundquist; Ronald C.                      Minnetonka                      MN  
Walters; David A.                      Groton                      CT

US-CL-CURRENT: 800/288; 800/275, 800/278, 800/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 3. Document ID: US 6750379 B2

L5: Entry 3 of 67

File: USPT

Jun 15, 2004

US-PAT-NO: 6750379

DOCUMENT-IDENTIFIER: US 6750379 B2

TITLE: Homologous recombination-mediated transgene alterations in plants

DATE-ISSUED: June 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McElroy; David	Redwood City	CA		
Walters; David A.	North Stonington	CT		
Gilbertson; Larry A.	Chesterfield	MO		

US-CL-CURRENT: 800/278; 800/260, 800/275, 800/288, 800/300, 800/306, 800/312,  
800/314, 800/317.2, 800/320, 800/320.1, 800/320.2, 800/320.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 4. Document ID: US 6747189 B1

L5: Entry 4 of 67

File: USPT

Jun 8, 2004

US-PAT-NO: 6747189

DOCUMENT-IDENTIFIER: US 6747189 B1

TITLE: Maize glycine rich protein promoter compositions and methods for use thereof

DATE-ISSUED: June 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McElroy; David	Palo Alto	CA		
Orozco, Jr.; Emil M.	West Grove	PA		
Laccetti; Lucille B.	Groton	CT		

US-CL-CURRENT: 800/287; 435/419, 435/468, 536/24.1, 800/298, 800/306, 800/312,  
800/314, 800/317.2, 800/317.3, 800/317.4, 800/320, 800/320.1, 800/320.2,  
800/320.3, 800/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 5. Document ID: US 6720475 B1

L5: Entry 5 of 67

File: USPT

Apr 13, 2004

US-PAT-NO: 6720475

DOCUMENT-IDENTIFIER: US 6720475 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Nucleic acid sequence encoding FLP recombinase

DATE-ISSUED: April 13, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baszczyński; Christopher L.	Urbandale	IA		
Bowen; Benjamin A.	Des Moines	IA		
Drummond; Bruce J.	Des Moines	IA		
Gordon-Kamm; William J.	Urbandale	IA		
Peterson; David J.	Ames	IA		
Sandahl; Gary A.	West Des Moines	IA		
Tagliani; Laura A.	Ankeny	IA		
Zhao; Zuo-Yu	Urbandale	IA		
St. Clair; Grace marie	Des Moines	IA		

US-CL-CURRENT: 800/278; 435/419, 536/24.1, 800/298

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 6. Document ID: US 6713300 B1

L5: Entry 6 of 67

File: USPT

Mar 30, 2004

US-PAT-NO: 6713300

DOCUMENT-IDENTIFIER: US 6713300 B1

TITLE: Nucleic acid and amino acid sequences for ATP-binding cassette transporter and methods of screening for agents that modify ATP-binding cassette transporter

DATE-ISSUED: March 30, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Allikmets; Rando	Frederick	MD		
Anderson; Kent L.	Houston	TX		
Dean; Michael	Frederick	MD		
Leppert; Mark	Salt Lake City	UT		
Lewis; Richard A.	Houston	TX		
Li; Yixin	Houston	TX		
Lupski; James R.	Houston	TX		
Nathans; Jeremy	Baltimore	MD		

Rattner; Amir	Baltimore	MD
Shroyer; Noah F.	Houston	TX
Singh; Nanda	Salt Lake City	UT
Smallwood; Philip	Woodbine	MD
Sun; Hui	Baltimore	MD

US-CL-CURRENT: [435/325](#); [435/320.1](#), [435/455](#), [435/69.1](#), [536/23.1](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMC	Draw. D.
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☐ 7. Document ID: US 6700038 B1

L5: Entry 7 of 67

File: USPT

Mar 2, 2004

US-PAT-NO: 6700038

DOCUMENT-IDENTIFIER: US 6700038 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Plant expression vectors based on the flock house virus genome

DATE-ISSUED: March 2, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dasgputa; Ranjit K.	Madison	WI		
Goodman; Robert	Madison	WI		

US-CL-CURRENT: [800/278](#); [435/320.1](#), [435/419](#), [435/468](#), [435/471](#), [435/69.1](#), [435/69.7](#), [800/280](#), [800/285](#), [800/298](#), [800/317.3](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMC	Draw. D.
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☐ 8. Document ID: US 6669944 B2

L5: Entry 8 of 67

File: USPT

Dec 30, 2003

US-PAT-NO: 6669944

DOCUMENT-IDENTIFIER: US 6669944 B2

TITLE: Process for the preparation of an extract with carotenoids, UV absorption, antibacterial and pH indicating properties from a deep-sea bacterium

DATE-ISSUED: December 30, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bharathi; Ponnappakkam Adikesavan Loka	Goa			IN
Nair; Shanta	Goa			IN
Chandramohan; Dorairajasingham	Goa			IN

US-CL-CURRENT: [424/234.1](#); [424/780](#), [435/252.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Drawings	Claims	KWIC	Draw Data
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☐ 9. Document ID: US 6638910 B2

L5: Entry 9 of 67

File: USPT

Oct 28, 2003

US-PAT-NO: 6638910

DOCUMENT-IDENTIFIER: US 6638910 B2

TITLE: Compositions and methods for controlling plant pests

DATE-ISSUED: October 28, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heins; Sherry Darlene	Davis	CA		
Manker; Denise Carol	Davis	CA		
Jimenez; Desmond Rito	Woodland	CA		
McCoy; Randy Jay	Davis	CA		
Marrone; Pamela Gail	Davis	CA		
Orjala; Jimmy Ensio	Davis	CA		

US-CL-CURRENT: 514/9; 424/405, 424/93.46, 424/93.462, 514/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Drawings	Claims	KWIC	Draw Data
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☐ 10. Document ID: US 6635806 B1

L5: Entry 10 of 67

File: USPT

Oct 21, 2003

US-PAT-NO: 6635806

DOCUMENT-IDENTIFIER: US 6635806 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Methods and compositions for expression of transgenes in plants

DATE-ISSUED: October 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kriz; Alan L.	Gales Ferry	CT		
Luethy; Michael H.	Old Mystic	CT		
Voyles; Dale A.	Griswold	CT		

US-CL-CURRENT: 800/287; 536/24.1, 800/298, 800/300, 800/301, 800/302, 800/303,  
800/312, 800/314, 800/317.2, 800/317.3, 800/317.4, 800/320, 800/320.1, 800/320.2,  
800/320.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Drawings	Claims	KWIC	Draw Data
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Terms	Documents
L4 and mutant	67

**Display Format:** [Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

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Search Results - Record(s) 21 through 30 of 67 returned.

☐ 21. Document ID: US 6329574 B1

L5: Entry 21 of 67

File: USPT

Dec 11, 2001

US-PAT-NO: 6329574

DOCUMENT-IDENTIFIER: US 6329574 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: High lysine fertile transgenic corn plants

DATE-ISSUED: December 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lundquist; Ronald C.	Minnetonka	MN		
Walters; David A.	Groton	CT		
Kirihara; Julie A.	Bloomington	MN		

US-CL-CURRENT: 800/300.1; 800/278, 800/287, 800/288, 800/293, 800/320.1

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KWC</a>	<a href="#">Draw. De</a>
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☐ 22. Document ID: US 6326527 B1

L5: Entry 22 of 67

File: USPT

Dec 4, 2001

US-PAT-NO: 6326527

DOCUMENT-IDENTIFIER: US 6326527 B1

TITLE: Method for altering the nutritional content of plant seed

DATE-ISSUED: December 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kirihara; Julie A.	Bloomington	MN		
Hibberd; Kenneth A.	Falcon Heights	MN		
Anthony; Janice	Wakefield	RI		

US-CL-CURRENT: 800/278; 800/285, 800/286, 800/320.1

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KWC</a>	<a href="#">Draw. De</a>
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☐ 23. Document ID: US 6310034 B1

L5: Entry 23 of 67

File: USPT

Oct 30, 2001

US-PAT-NO: 6310034

DOCUMENT-IDENTIFIER: US 6310034 B1

TITLE: Agouti polypeptide compositions

DATE-ISSUED: October 30, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Woychik; Richard P.	Orinda	CA		
Bultman; Scott J.	Lakewood	OH		
Michaud; Edward J.	Kingston	TN		

US-CL-CURRENT: 514/2; 530/300, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Figures	Claims	KWIC	Draw D
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☐ 24. Document ID: US 6307123 B1

L5: Entry 24 of 67

File: USPT

Oct 23, 2001

US-PAT-NO: 6307123

DOCUMENT-IDENTIFIER: US 6307123 B1

TITLE: Methods and compositions for transgene identification

DATE-ISSUED: October 23, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kriz; Alan L.	Gales Ferry	CT		
Spencer; T. Michael	Mystic	CT		

US-CL-CURRENT: 800/282; 536/23.4, 536/24.1, 800/266, 800/288, 800/300, 800/301

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Figures	Claims	KWIC	Draw D
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☐ 25. Document ID: US 6291426 B1

L5: Entry 25 of 67

File: USPT

Sep 18, 2001

US-PAT-NO: 6291426

DOCUMENT-IDENTIFIER: US 6291426 B1

TITLE: Strain of bacillus for controlling plant diseases and corn rootworm

DATE-ISSUED: September 18, 2001

et	Items	Description
S1	708397	BACILLUS
S2	12	S1 AND YVMC
S3	12	RD (unique items)
S4	13	S1 AND CYPX
S5	13	RD (unique items)
S6	381	S1 AND RED (1W) PIGMENT
S7	4	S6 AND PIGMENT (1W) DEFICIENT
S8	4	RD (unique items)
S9	143	S6 AND MUTANT
S10	132	RD (unique items)
S11	81	S10 NOT PY>2002
?		

Set	Items	Description
S1	708397	BACILLUS
S2	12	S1 AND YVMC
S3	12	RD (unique items)
S4	13	S1 AND CYPX
S5	13	RD (unique items)
S6	381	S1 AND RED (1W) PIGMENT
S7	4	S6 AND PIGMENT (1W) DEFICIENT
S8	4	RD (unique items)

? t s8/3,ab/1-4

>>>No matching display code(s) found in file(s): 65, 129, 135, 180, 332, 336, 342, 345, 390-391, 398

8/3,AB/1 (Item 1 from file: 654)

DIALOG(R)File 654:US Pat.Full.

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0005654458

Derwent Accession: 2004-143839

Methods for producing biological substances in %pigment%-%deficient% mutants of %bacillus% cells

Inventor: Tang, Maria, INV

Sloma, Alan, INV

Sternberg, David, INV

Behr, Regine, INV

Assignee: Novozymes Biotech, Inc. (02), Davis, CA

Correspondence Address: NOVOZYMES BIOTECH, INC., 1445 DREW AVE, DAVIS, CA, 95616, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20040096944	A1	20040520	US 2003627124	20030725
Provisional				US 60-398853	20020726

Fulltext Word Count: 15150

Abstract:

The present invention relates to methods of producing a heterologous biological substance, comprising: (a) cultivating a mutant of a parent %Bacillus% cell under conditions conducive for the production of the heterologous biological substance, wherein (i) the mutant cell comprises a first nucleic acid sequence directing synthesis of the heterologous biological substance and a second nucleic acid sequence comprising a modification of at least one of the genes cypx and yvmC, which are involved in the production of a %red% %pigment%, and (ii) the mutant cell is deficient in the production of the %red% %pigment% compared to the parent %Bacillus% cell when cultivated under the same conditions; and (b) recovering the heterologous biological substance from the cultivation medium. The present invention also relates to mutants of %Bacillus% cells and methods for producing the mutants

8/3,AB/2 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01090542

METHODS FOR PRODUCING BIOLOGICAL SUBSTANCES IN %PIGMENT%-%DEFICIENT% MUTANTS OF %BACILLUS% CELLS

METHODES DE PRODUCTION DE SUBSTANCES BIOLOGIQUES DANS DES MUTANTS DEFICIENTS EN PIGMENT DE CELLULES DE <I>%BACILLUS%</I>

Patent Applicant/Assignee:

NOVOZYMES BIOTECH INC, 1445 Drew Avenue, Davis, CA 95616, US, US  
(Residence), US (Nationality)

Inventor(s):

TANG Maria, 2043 Cliffwood Drive, Fairfield, CA 95434, US,.

SLOMA Alan, 849 Donovan Court, Davis, CA 95616, US,

*Applicant*

STERNBERG David, 3205 Breton, Davis, CA 95616, US,  
BEHR Regine, 1017 Danielle Drive, Roseville, CA 95747, US,

Legal Representative:

STARNES Robert L (agent), Novozymes Biotech, Inc., 1445 Drew Avenue,  
Davis, CA 95616, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200411609 A2-A3 20040205 (WO 0411609)  
Application: WO 2003US23398 20030725 (PCT/WO US03023398)  
Priority Application: US 2002398853 20020726

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD  
SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 13457

English Abstract

The present invention relates to methods of producing a heterologous biological substance, comprising: (a) cultivating a mutant of a parent %Bacillus% cell under conditions conducive for the production of the heterologous biological substance, wherein (i) the mutant cell comprises a first nucleic acid sequence directing synthesis of the heterologous biological substance and a second nucleic acid sequence comprising a modification of at least one of the genes cypX and yvmC, which are involved in the production of a %red% %pigment%, and (ii) the mutant cell is deficient in the production of the %red% %pigment% compared to the parent %Bacillus% cell when cultivated under the same conditions; and (b) recovering the heterologous biological substance from the cultivation medium. The present invention also relates to mutants of %Bacillus% cells and methods for producing the mutants.

*Applicant*

French Abstract

La presente invention concerne des methodes de production d'une substance biologique heterologue consistant a (a) cultiver un mutant d'une cellule mere de %Bacillus% dans des conditions facilitant la production de la substance biologique heterologue, (i) la cellule mutante comprenant une premiere sequence d'acides nucleiques qui dirige la synthese de la substance biologique heterologue et une seconde sequence d'acides nucleiques qui contient une modification d'au moins un des genes <i>cypX</i> et <i>yvmC</i> impliquees dans la production d'un pigment rouge et (ii) la cellule mutante etant deficiente sur le plan de la production du pigment rouge comparee a la cellule mere de %Bacillus% lors d'une culture dans des conditions identiques. Les methodes consistent ensuite a (b) recuperer la substance biologique heterologue a partir du milieu de culture. Cette invention a egalement trait a des mutants de cellules <i>%Bacillus%</i> et a des methodes de production desdits mutants.

*Applicant*

8/3,AB/3 (Item 1 from file: 357)

DIALOG(R) File 357:Derwent Biotech Res.

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0336801 DBR Accession No.: 2004-09093 PATENT

Producing a heterologous biological substance comprises cultivating  
%pigment%-deficient mutants of %Bacillus% cell that directs synthesis  
of the heterologous biological substance and has a modification of the  
cypX and yvmC genes - for use in recombinant protein preparation

AUTHOR: TANG M; SLOMA A; STERNBERG D; BEHR R

PATENT ASSIGNEE: NOVOZYMES BIOTECH INC 2004

PATENT NUMBER: WO 200411609 PATENT DATE: 20040205 WPI ACCESSION NO.:

2004-143839 (200414)

PRIORITY APPLIC. NO.: US 398853 APPLIC. DATE: 20020726

NATIONAL APPLIC. NO.: WO 2003US23398 APPLIC. DATE: 20030725


LANGUAGE: English

ABSTRACT: DERWENT ABSTRACT: NOVELTY - Producing a heterologous biological substance comprising cultivating a mutant of a parent %Bacillus% cell in a medium suitable for the production of a heterologous biological substance, and recovering the heterologous biological substance from the cultivation medium, is new. DETAILED DESCRIPTION - Producing a heterologous biological substance comprising cultivating a mutant of a parent %Bacillus% cell in a medium suitable for the production of a heterologous biological substance, and recovering the heterologous biological substance from the cultivation medium, where the mutant cell comprises a first nucleic acid sequence directing synthesis of the heterologous biological substance and a second nucleic acid sequence comprising a modification of at least one of the genes cypX and yvmC, which are involved in the production of a %red% %pigment%. The mutant cell is also deficient in the production of the %red% %pigment% compared to the parent %Bacillus% cell when cultivated under the same conditions. INDEPENDENT CLAIMS are also included for: (1) a mutant of a parent %Bacillus% cell, comprising a first nucleic acid sequence directing synthesis of a heterologous biological substance and a second nucleic acid sequence comprising a modification of at least one of the genes cypX and yvmC, which are involved in the production of a %red% %pigment%, wherein the mutant cell is deficient in the production of the %red% %pigment% compared to the parent %Bacillus% cell when cultivated under the same conditions; and (2) obtaining a mutant of a parent %Bacillus% cell, comprising introducing into the parent %Bacillus% cell a first nucleic acid sequence directing synthesis of a heterologous biological substance and a second nucleic acid sequence comprising a modification of at least one of the genes cypX and yvmC, which are involved in the production of a %red% %pigment%, and identifying the mutant cell comprising the modified nucleic acid sequence, where the mutant cell is deficient in the production of the %red% %pigment% compared to the parent %Bacillus% cell when cultivated under the same conditions. WIDER DISCLOSURE - Also disclosed as new are nucleic acids, polypeptides, host cells, vectors and biopolymers used in the methods of the invention. BIOTECHNOLOGY - Preferred Gene: At least one gene of the second nucleic acid sequence in any of the methods cited above is cypX or yvmC. Preferred Substance: The biological substance encoded by the first nucleic acid sequence is a biopolymer that is a nucleic acid, polyamide, polyamine, polyol, polypeptide, or polysaccharide. The polypeptide is an antigen, enzyme, growth factor, hormone, immunomodulator, neurotransmitter, receptor, reporter protein, structural protein, or transcription factor. The enzyme is an oxidoreductase, transferase, hydrolase, lyase, isomerase, or ligase. The polysaccharide is chitin, heparin, hyaluronan, or hyaluronic acid. The biological substance encoded by the first nucleic acid sequence is a metabolite. The first nucleic acid sequence comprises a biosynthetic or metabolic pathway. Preferred Cell: The mutant cell comprises at least two copies of the first nucleic acid sequence directing synthesis of a biological substance. The %Bacillus% cell is a %Bacillus% alkalophilus, %Bacillus% amyloliquefaciens, %Bacillus% brevis, %Bacillus% circulans, %Bacillus% clausii, %Bacillus% coagulans, %Bacillus% firmus, %Bacillus% lautus, %Bacillus% lentus, %Bacillus% licheniformis, %Bacillus% megaterium, %Bacillus% pumilus, %Bacillus% stearothermophilus, %Bacillus% subtilis, or %Bacillus% thuringiensis cell. The mutant cell produces at least 25 % less of the %red% %pigment% compared to the parent %Bacillus% cell when cultured under identical conditions, or produces no detectable %red% %pigment% compared to the parent %Bacillus% cell when cultured under identical conditions. The mutant cell further comprises a modification of one or more genes which encode a protease. The genes are nprE and/or aprE. The mutant cell further comprises a modification of one or more genes selected from the group consisting of spollAC, srfA, srfB, srfC, srfD, and amyE genes. USE - The methods and compositions of the present invention are useful for producing biological substances, e.g. nucleic acid, polyamide, polyamine, polyol, polypeptide, or polysaccharide, in

• %pigment%-deficient% mutants of %Bacillus% cells, and obtaining the %pigment%-deficient% mutant cells (claimed). ADVANTAGE - The present invention, as compared to prior art, eliminates and/or reduces the %red% %pigment% in a %Bacillus% fermentation broth which facilitates the recovery and purification of a biological substance of interest. EXAMPLE - No suitable example given. (62 pages)

8/3,AB/4 (Item 1 from file: 340)  
DIALOG(R) File 340:CLAIMS(R)/US Patent  
(c) 2004 IFI/CLAIMS(R). All rts. reserv.

Dialog Acc No: 10589722 IFI Acc No: 2004-0096944  
IFI Publication Control No: 2004-0096944 IFI Chemical Acc No: 2004-0028239  
Document Type: C  
METHODS FOR PRODUCING BIOLOGICAL SUBSTANCES IN %PIGMENT%-DEFICIENT%  
MUTANTS OF %BACILLUS% CELLS  
Inventors: Behr Regine (US); Sloma Alan (US); Sternberg David (US); Tang  
Maria (US)  
Assignee: Novozymes Biotech Inc  
Assignee Code: 57396  
Publication (No,Kind,Date), Applic (No,Date):  
US 20040096944 A1 20040520 US 2003627124 20030725  
Priority Applic(No,Date): US 2003627124 20030725  
Provisional Applic(No,Date): US 60-398853 20020726



Abstract: The present invention relates to methods of producing a heterologous biological substance, comprising: (a) cultivating a mutant of a parent %Bacillus% cell under conditions conducive for the production of the heterologous biological substance, wherein (i) the mutant cell comprises a first nucleic acid sequence directing synthesis of the heterologous biological substance and a second nucleic acid sequence comprising a modification of at least one of the genes cypx and yvmC, which are involved in the production of a %red% %pigment%, and (ii) the mutant cell is deficient in the production of the %red% %pigment% compared to the parent %Bacillus% cell when cultivated under the same conditions; and (b) recovering the heterologous biological substance from the cultivation medium. The present invention also relates to mutants of %Bacillus% cells and methods for producing the mutants.  
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      .46 AU=SLOMA, A.
      2 AU=SLOMA, A. B.
      6 AU=SLOMA, A. P.
      53 AU=SLOMA, ALAN
      8 AU=SLOMA, ALAN P.
      2 AU=SLOMA, ALAN PAUL

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S12      117 E2-E7

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? s s12 and bacillus

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      117 S12
      708397 BACILLUS

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S13      92 S12 AND BACILLUS

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>>>Duplicate detection is not supported for File 398.
>>>Duplicate detection is not supported for File 654.
>>>Duplicate detection is not supported for File 390.
>>>Duplicate detection is not supported for File 349.
>>>Duplicate detection is not supported for File 348.
>>>Duplicate detection is not supported for File 340.
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>>>Duplicate detection is not supported for File 391.
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>>>Duplicate detection is not supported for File 286.
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>>>Duplicate detection is not supported for File 652.
>>>Duplicate detection is not supported for File 336.

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>>>Records from unsupported files will be retained in the RD set.

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...completed examining records

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      S14      49 RD (unique items)

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Set	Items	Description
S1	708397	BACILLUS
S2	12	S1 AND YVMC
S3	12	RD (unique items)
S4	13	S1 AND CYPX
S5	13	RD (unique items)
S6	381	S1 AND RED (1W) PIGMENT
S7	4	S6 AND PIGMENT (1W) DEFICIENT
S8	4	RD (unique items)
S9	143	S6 AND MUTANT
S10	132	RD (unique items)
S11	81	S10 NOT PY>2002
S12	117	E2-E7
S13	92	S12 AND BACILLUS
S14	49	RD (unique items)

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Processing

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Completed processing all files

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      49 S14

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      35346582 PY>2002

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      S15      45 S14 NOT PY>2002

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      336, 342, 345, 390-391, 398

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15/3,AB/1 (Item 1 from file: 399)

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DIALOG(R) File 399:CA SEARCH(R)

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137275025 CA: 137(19)275025e PATENT

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Cloning gamma-glutamyl transpeptidase homolog gene from Bacillus

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agaradhaerens and its recombinant expression

INVENTOR(AUTHOR): Behr, Regine; Sloma, Alan

LOCATION: USA

ASSIGNEE: Novozymes Biotech, Inc.

PATENT: PCT International ; WO 200277009 A2 DATE: 20021003

APPLICATION: WO 2002US11173 (20020327) \*US PV279374 (20010327)

PAGES: 57 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C07K-000/A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE;  
SG; SI; SK; SL; TJ; TM; TN; TR; TT; TZ; UA; UG; UZ; VN; YU; ZA; ZM; ZW; AM;  
AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ;  
SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR;  
IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML;  
MR; NE; SN; TD; TG

15/3,AB/2 (Item 2 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

137003024 CA: 137(1)3024u JOURNAL

Microarray analysis of the Bacillus subtilis K-state: genome-wide  
expression changes dependent on ComK

AUTHOR(S): Berka, Randy M.; Hahn, Jeanette; Albano, Mark; Draskovic,  
Irena; Persuh, Marjan; Cui, Xianju; Sloma, Alan; Widner, William; Dubnau,  
David

LOCATION: Novozymes Biotech, Inc., Davis, CA, 95616, USA

JOURNAL: Mol. Microbiol. (Molecular Microbiology) DATE: 2002 VOLUME: 43

NUMBER: 5 PAGES: 1331-1345 CODEN: MOMIEE ISSN: 0950-382X LANGUAGE:

English PUBLISHER: Blackwell Publishing Ltd.

15/3,AB/3 (Item 3 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

135209984 CA: 135(15)209984z PATENT

Manufacture of large crystals of  $\delta$ -endotoxins with Bacillus  
thuringiensis by increasing gene copy number

INVENTOR(AUTHOR): Adams, Lee Fremont; Thomas, Michael David; Sloma, Alan  
P.; Widner, William R.

LOCATION: USA

ASSIGNEE: Valant Biosciences, Inc.; Libertyville, Inc.

PATENT: United States ; US 6280720 B1 DATE: 20010828

APPLICATION: US 274608 (19940713) \*US 92338 (19930715)

PAGES: 19 pp., Cont.-in-part of U. S. Ser. No. 92,338, abandoned.

CODEN: USXXAM LANGUAGE: English CLASS: 424093461; A01N-063/00A;

C12N-001/21B; C12N-015/32B; C12N-015/75B

15/3,AB/4 (Item 4 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

135206447 CA: 135(15)206447r PATENT

Stable integration of DNA sequences into Bacillus thuringiensis genome  
via homologous recombination for delta-endotoxins expression and pesticide  
use

INVENTOR(AUTHOR): Adams, Lee Fremont; Thomas, Michael David; Sloma, Alan  
P.; Widner, William R.; Jorgensen, Steen Troels; Jorgensen, Per LinÅ;  
Diderichsen, Borge Krag

LOCATION: USA

ASSIGNEE: Valent Biosciences, Inc.

PATENT: United States ; US 6280721 B1 DATE: 20010828

APPLICATION: US 377891 (19950125) \*DK 896396 (19891218) \*US 853701

(19920526) \*US 92338 (19930715) \*US 274608 (19940713)

PAGES: 13 pp., Cont.-in-part of U.S. Ser. No. 274,608. CODEN: USXXAM



LANGUAGE: English CLASS: 424093461; A01N-063/00A; C12N-001/21B;  
C12N-015/32B; C12N-015/75B

15/3,AB/5 (Item 5 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

135075841 CA: 135(6)75841q PATENT  
Methods for producing a polypeptide in a Bacillus cell  
INVENTOR(AUTHOR): Widner, William; Sloma, Alan; Thomas, Michael D.  
LOCATION: USA  
ASSIGNEE: Novozymes Biotech, Inc.  
PATENT: United States ; US 6255076 B1 DATE: 20010703  
APPLICATION: US 258377 (19990226) \*US 31442 (19980226)  
PAGES: 54 pp., Cont.-in-part of U.S. 5,955,310. CODEN: USXXAM  
LANGUAGE: English CLASS: 435069100; C12P-021/06A; C12N-009/00B;  
C12N-001/20B; C12N-015/00B; C12N-005/00B

15/3,AB/6 (Item 6 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

134251240 CA: 134(18)251240h JOURNAL  
Development of marker-free strains of Bacillus subtilis capable of  
secreting high levels of industrial enzymes  
AUTHOR(S): Widner, B.; Thomas, M.; Sternberg, D.; Lammon, D.; Behr, R.;  
Sloma, A.  
LOCATION: Novo Nordisk Biotech, Inc., Davis, CA, 95616, USA  
JOURNAL: J. Ind. Microbiol. Biotechnol. DATE: 2000 VOLUME: 25 NUMBER:  
4 PAGES: 204-212 CODEN: JIMBFL ISSN: 1367-5435 LANGUAGE: English  
PUBLISHER: Nature Publishing Group

15/3,AB/7 (Item 7 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

131238813 CA: 131(18)238813r PATENT  
Methods of increasing protein expression in mutant Bacillus hosts that  
have enhanced fermentative productivity  
INVENTOR(AUTHOR): Sloma, Alan; Sternberg, David; Adams, Lee F.; Brown,  
Stephen  
LOCATION: USA  
ASSIGNEE: Novo Nordiskbiotech, Inc.  
PATENT: United States ; US 5958728 A DATE: 19990928  
APPLICATION: US 972661 (19971118) \*US 86231 (19961118) \*US 49441  
(19970612)  
PAGES: 28 pp., which CODEN: USXXAM LANGUAGE: English CLASS: 435069100;  
C12N-001/21A; C12P-021/00B

15/3,AB/8 (Item 8 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

131180803 CA: 131(14)180803u PATENT  
Nucleic acid vectors for recombinant production of heterologous proteins  
in a Bacillus cell  
INVENTOR(AUTHOR): Widner, William; Sloma, Alan; Thomas, Michael D.  
LOCATION: USA  
ASSIGNEE: Novo Nordisk Biotech, Inc.  
PATENT: PCT International ; WO 9943835 A2 DATE: 19990902  
APPLICATION: WO 99US4360 (19990226) \*US 31442 (19980226)  
PAGES: 90 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/75A;  
C12N-015/52B; C12N-015/57B; C12N-009/54B; C12N-001/21B; C07K-014/325B;  
C12N-001/21B; C12R-001/07B DESIGNATED COUNTRIES: AL; AU; BB; BG; BR; CA;  
CN; CU; CZ; EE; GE; HU; IL; IN; IS; JP; KP; KR; LC; LK; LR; LT; LU; LV; MG;

MK; MN; MX; NO; NZ; PL; RO; SG; SI; SK; TR; TT; UA; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; SD; SL; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

15/3,AB/9 (Item 9 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

131054781 CA: 131(5)54781x PATENT  
Sphingomonas aminopeptidase and gene and production of aminopeptidase with recombinant cells  
INVENTOR(AUTHOR): Blinkovsky, Alexander; Byun, Tony S.; Klotz, Alan V.; Sloma, Alan; Brown, Kimberly; Tang, Maria; Fujii, Miko; Marumoto, Chigusa  
LOCATION: Den.  
ASSIGNEE: Novo Nordisk A/s; Nordisk Biotech Inc.; Asahi Chemical Industry Co., Ltd.  
PATENT: PCT International ; WO 9931226 A1 DATE: 19990624  
APPLICATION: WO 98DK495 (19981113) \*DK 971465 (19971216) \*US 69719 (19971216) \*DK 98670 (19980515)  
PAGES: 84 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-009/48  
DESIGNATED COUNTRIES: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

15/3,AB/10 (Item 10 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

130310705 CA: 130(23)310705f JOURNAL  
Genetic engineering of Bacillus subtilis for the commercial production of riboflavin  
AUTHOR(S): Perkins, J. B.; Sloma, A.; Hermann, T.; Theriault, K.; Zachgo, E.; Erdenberger, T.; Hannett, N.; Chatterjee, N. P.; Williams, V, II; Rufo, G. A., Jr; Hatch, R.; Pero, J.  
LOCATION: OmniGene Bioproducts, Cambridge, MA, 02138, USA  
JOURNAL: J. Ind. Microbiol. Biotechnol. DATE: 1999 VOLUME: 22 NUMBER: 1  
PAGES: 8-18 CODEN: JIMBFL ISSN: 1367-5435 LANGUAGE: English  
PUBLISHER: Stockton Press

15/3,AB/11 (Item 11 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

130062024 CA: 130(6)62024x PATENT  
Nucleic acids encoding polypeptide having protease activity  
INVENTOR(AUTHOR): Sloma, Alan; Christianson, Lynne  
LOCATION: USA  
ASSIGNEE: Novo Nordisk Biotech, Inc.  
PATENT: PCT International ; WO 9856927 A2 DATE: 19981217  
APPLICATION: WO 98US12005 (19980609) \*US 873479 (19970612)  
PAGES: 77 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/57A; C12N-015/75B; C12N-009/54B; C12K-014/00B DESIGNATED COUNTRIES: AL; AU; BB; BG; BR; CA; CN; CU; CZ; EE; GE; HU; IL; IS; JP; KP; KR; LC; LK; LR; LT; LU; LV; MG; MK; MN; MX; NO; NZ; PL; RO; SG; SI; SK; TR; TT; UA; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

15/3,AB/12 (Item 12 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

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129037213 CA: 129(4)37213e PATENT

Bacterial donor cell useful in conjugation

INVENTOR(AUTHOR): Sloma, Alan P.; Widner, William R.

LOCATION: USA

ASSIGNEE: Novo Nordisk Biotech, Inc.

PATENT: United States ; US 5763187 A DATE: 19980609

APPLICATION: US 785448 (19970117)

PAGES: 13 pp. CODEN: USXXAM LANGUAGE: English CLASS: 435006000;

C12Q-001/68A; C12P-021/00B; C12N-015/65B; C07H-021/04B

15/3,AB/13 (Item 13 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

129027099 CA: 129(3)27099h PATENT

Methods for producing polypeptides in surfactin mutants of Bacillus cells

INVENTOR(AUTHOR): Sloma, Alan; Sternberg, David; Adams, Lee F.; Brown,

Stephen

LOCATION: USA

ASSIGNEE: Novo Nordisk Biotech, Inc.

PATENT: PCT International ; WO 9822598 A1 DATE: 19980528

APPLICATION: WO 97US21084 (19971118) \*US 749521 (19961118) \*US 49441

(19970612)

PAGES: 57 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/75A;

C12N-001/21B; C07K-014/32B DESIGNATED COUNTRIES: AL; AU; BB; BG; BR; CA;  
CN; CU; CZ; EE; GE; HU; IL; IS; JP; KP; KR; LC; LK; LR; LT; LV; MG; MK; MN;  
MX; NO; NZ; PL; RO; SG; SI; SK; TR; TT; UA; UZ; VN; AM; AZ; BY; KG; KZ; MD;  
RU; TJ; TM DESIGNATED REGIONAL: GH; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH  
; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG;  
CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

15/3,AB/14 (Item 14 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

127172240 CA: 127(13)172240k PATENT

Bacillus thuringiensis integrants which produce heterologous crystal

$\delta$ -endotoxin and use as pesticides

INVENTOR(AUTHOR): Adams, Lee F.; Widner, William R.; Diderichsen, Borge  
K.; Thomas, Michael D.; Jorgensen, Steen T.; Sloma, Alan P.; Jorgensen, Per  
L.

LOCATION: USA

ASSIGNEE: Abbott Laboratories

PATENT: PCT International ; WO 9727305 A1 DATE: 19970731

APPLICATION: WO 96US1247 (19960126)

PAGES: 32 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/75A;

C12N-015/32B; C07K-014/325B; A01N-063/00B; C12N-001/21B; C12N-001/21B;

C12R-001/07B DESIGNATED COUNTRIES: AU; BR; CA; CZ; JP; KR; MX; RU; UA

DESIGNATED REGIONAL: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC;  
NL; PT; SE

15/3,AB/15 (Item 15 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

127157628 CA: 127(12)157628z PATENT

Bacterial donor cell with decreased killing potential useful in  
conjugation and protein production

INVENTOR(AUTHOR): Sloma, Alan P.; Widner, William R.

LOCATION: USA

ASSIGNEE: Novo Nordisk Biotech, Inc.

PATENT: PCT International ; WO 9726361 A2 DATE: 19970724

APPLICATION: WO 97US899 (19970117) \*US 10239 (19960119)

PAGES: 32 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/75A;  
C12N-001/20B; C12N-001/20B; C12R-001/07B DESIGNATED COUNTRIES: AL; AU; BB;  
BG; BR; CA; CN; CU; CZ; EE; GE; HU; IL; IS; JP; KP; KR; LC; LK; LR; LT; LV;  
MG; MK; MN; MX; NO; NZ; PL; RO; SG; SI; SK; TR; TT; UA; UZ; VN; AM; AZ; BY;  
KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: KE; LS; MW; SD; SZ; UG; AT; BE  
; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF;  
CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

15/3,AB/16 (Item 16 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
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126289029 CA: 126(22)289029u PATENT  
Bacillus gene epr, bpr, and mpr sequences and encoded proteinases and  
proteinase gene deletion mutagenesis for heterologous protein expression  
system  
INVENTOR(AUTHOR): Sloma, Alan; Rufo, Gerald A., Jr.; Rudolph, Cathy F.;  
Sullivan, Barbara J.; Pero, Janice  
LOCATION: USA  
ASSIGNEE: Omnigene, Inc.  
PATENT: United States ; US 5620880 A DATE: 19970415  
APPLICATION: US 579401 (19900907) \*US 273423 (19881118) \*US 347428  
(19890504) \*US 396521 (19890821)  
PAGES: 46 pp. Cont.-in-part of U.S. Ser. No. 396,521, abandoned. CODEN:  
USXXAM LANGUAGE: English CLASS: 435172300; C12N-009/54A; C12N-001/21B;  
C12N-015/57B

15/3,AB/17 (Item 17 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

126273275 CA: 126(21)273275k PATENT  
Nucleic acid constructs for the production of a Bacillus alkaline  
protease  
INVENTOR(AUTHOR): Sloma, Alan P.; Outtrup, Helle; Dambmann, Claus;  
Aaslyng, Dorrit A.  
LOCATION: USA  
ASSIGNEE: Novo Nordisk Biotech, Inc.; Novo Nordisk A/S  
PATENT: United States ; US 5621089 A DATE: 19970415  
APPLICATION: US 434255 (19950503) \*DK 92702 (19920527) \*US 325386  
(19941026)  
PAGES: 45 pp. Cont.-in-part of U.S. 5,597,720. CODEN: USXXAM LANGUAGE:  
English CLASS: 536023200; C12N-015/57A; C12N-015/63B; C12N-015/74B;  
C12N-015/75B

15/3,AB/18 (Item 18 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

126043614 CA: 126(4)43614r PATENT  
Cloning and expression of Bacillus alkaline protease gene and method for  
protein manufacture with recombinant bacteria  
INVENTOR(AUTHOR): Sloma, Alan P.; Outtrup, Helle; Dambmann, Claus;  
Aaslyng, Dorrit Anita  
LOCATION: USA  
ASSIGNEE: Novo Nordisk Biotech, Inc.; Novo Nordisk A/s  
PATENT: PCT International ; WO 9634963 A1 DATE: 19961107  
APPLICATION: WO 96US6097 (19960501) \*US 434255 (19950503)  
PAGES: 57 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/57A;  
C12N-015/31B; C12N-015/75B; C12P-021/00B DESIGNATED COUNTRIES: AL; AM; AU;  
BB; BG; BR; CA; CN; CZ; EE; FI; GE; HU; IS; JP; KG; KP; KR; LK; LR; LT; LV;  
MD; MG; MK; MN; MX; NO; NZ; PL; RO; SG; SI; SK; TR; TT; UA; UZ; VN; AM; AZ;  
BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: KE; LS; MW; SD; SZ; UG; AT  
; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ;  
CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

15/3,AB/19' (Item 19 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

122232682 CA: 122(19)232682q PATENT  
Formation of and methods for the production of large *Bacillus thuringiensis* crystals with increased pesticidal activity  
INVENTOR(AUTHOR): Adams, Lee Fremont; Thomas, Michael David; Sloma, Alan P.; Widner, William R.  
LOCATION: USA  
ASSIGNEE: Novo Nordisk Entotech, Inc.; Novo Nordisk Biotech, Inc.  
PATENT: PCT International ; WO 9502695 A1 DATE: 950126  
APPLICATION: WO 94US7955 (940714) \*US 92338 (930715)  
PAGES: 44 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/75A; C12N-015/90B; C12N-015/32B; C07K-014/325B; A01N-063/00B  
DESIGNATED COUNTRIES: AM; AU; BB; BG; BR; BY; CA; CN; CZ; FI; HU; JP; KR; KZ; LK; LV; MG; NO; NZ; PL; RO; RU; SD; SK; UA; UZ; VN  
DESIGNATED REGIONAL: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

15/3,AB/20 (Item 20 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

118206299 CA: 118(21)206299t JOURNAL  
Cloning, sequencing and expression of the gene encoding the extracellular neutral protease, vibriolysin, of *Vibrio proteolyticus*  
AUTHOR(S): David, Victor A.; Deutch, Alan H.; Sloma, Alan; Pawlyk, Diane; Ally, Abdul; Durham, Don R.  
LOCATION: BioMol. Res. Dep., W. R. Grace and Co.-Conn., Columbia, MD, 21044, USA  
JOURNAL: Gene DATE: 1992 VOLUME: 112 NUMBER: 1 PAGES: 107-12 CODEN: GENED6 ISSN: 0378-1119 LANGUAGE: English

15/3,AB/21 (Item 21 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

118118301 CA: 118(13)118301g PATENT  
Cloning of residual protease-III gene of *Bacillus* and its use for preparing mutants free of protease-III  
INVENTOR(AUTHOR): Sloma, Alan; Rufo, Gerald A., Jr.; Pero, Janice  
LOCATION: USA  
ASSIGNEE: Omnigene, Inc.  
PATENT: PCT International ; WO 9216642 A1 DATE: 921001  
APPLICATION: WO 92US1598 (920226) \*US 671376 (910319)  
PAGES: 28 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12P-021/02A  
DESIGNATED COUNTRIES: CA; JP DESIGNATED REGIONAL: AT; BE; CH; DE; DK; ES ; FR; GB; GR; IT; LU; MC; NL; SE

15/3,AB/22 (Item 22 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

117107159 CA: 117(11)107159v JOURNAL  
Cloning and characterization of the gene for an additional extracellular serine protease of *Bacillus subtilis*  
AUTHOR(S): Sloma, Alan; Rufo, Gerald A., Jr.; Theriault, Kelly A.; Dwyer, Maureen; Wilson, Sarah W.; Pero, Janice  
LOCATION: OmniGene, Inc., Cambridge, MA, 02140, USA  
JOURNAL: J. Bacteriol. DATE: 1991 VOLUME: 173 NUMBER: 21 PAGES: 6889-94 CODEN: JOBAAY ISSN: 0021-9193 LANGUAGE: English

15/3,AB/23 (Item 23 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

115271728 CA: 115(25)271728j CONFERENCE PROCEEDING

Cloning and deletion of the genes for three minor extracellular proteases of *Bacillus subtilis*

AUTHOR(S): Sloma, A.; Rufo, G. A., Jr.; Rudolph, C. F.; Sullivan, B. J.; Theriault, K. A.; Pero, J.

LOCATION: BioTech. Int., Inc., Cambridge, MA, 02140, USA

JOURNAL: Genet. Biotechnol. Bacilli, (Proc. Int. Conf. Bacilli), 5th

EDITOR: Zukowski, Mark M. (Ed), Ganesan, A. T. (Ed), Hoch, James A (Ed),

DATE: 1990 PAGES: 295-302 CODEN: 57DZAY LANGUAGE: English

MEETING DATE: 890000 PUBLISHER: Academic, San Diego, Calif

15/3,AB/24 (Item 24 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

115002479 CA: 115(1)2479e PATENT

Riboflavin overproducing bacteria expressing the rib operon of *Bacillus*

INVENTOR(AUTHOR): Perkins, John B.; Pero, Janice G.; Sloma, Alan

LOCATION: Switz.

ASSIGNEE: Hoffmann-La Roche, F., und Co. A.-G.

PATENT: European Pat. Appl. ; EP 405370 A1 DATE: 910102

APPLICATION: EP 90111916 (900622) \*US 370378 (890622)

PAGES: 70 pp. CODEN: EPXXDW LANGUAGE: English CLASS: C12N-015/52A; C12P-025/00B; C12N-001/20B; C12N-001/20J; C12R-001/125J; C12R-001/19J

DESIGNATED COUNTRIES: AT; BE; CH; DE; DK; FR; GB; IT; LI; NL

15/3,AB/25 (Item 25 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

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114075927 CA: 114(9)75927p JOURNAL

Bacillopeptidase F of *Bacillus subtilis*: purification of the protein and cloning of the gene (Erratum to document cited in CA113(7):53267a)

AUTHOR(S): Sloma, Alan; Rufo, Gerald A., Jr.; Rudolph, Cathy F.;

Sullivan, Barbara J.; Theriault, Kelly A.; Pero, Janice

LOCATION: BioTech. Int., Inc., Cambridge, MA, 02140, USA

JOURNAL: J. Bacteriol. DATE: 1990 VOLUME: 172 NUMBER: 9 PAGES: 5520

CODEN: JOBAAY ISSN: 0021-9193 LANGUAGE: English

15/3,AB/26 (Item 26 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

114018962 CA: 114(3)18962x PATENT

Cloning of *Bacillus* protease genes and protease-deficient *Bacillus* mutants for manufacture of recombinant proteins

INVENTOR(AUTHOR): Sloma, Alan; Rudolf, Cathy Faye; Pero, Janice; Rufo, Gerald A.; Sullivan, Barbara J.

LOCATION: USA

ASSIGNEE: Biotechnica International, Inc.

PATENT: European Pat. Appl. ; EP 369817 A2 DATE: 900523

APPLICATION: EP 89311950 (891117) \*US 273423 (881118) \*US 347428 (890504) \*US 396521 (890821)

PAGES: 42 pp. CODEN: EPXXDW LANGUAGE: English CLASS: C12N-015/57A; C12N-015/31B; C12N-009/56B; C12P-021/02B DESIGNATED COUNTRIES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

15/3,AB/27 (Item 27 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

113053713 CA: 113(7)53713t PATENT

Expression vectors for the manufacture of heterologous polypeptides in  
Bacillus

INVENTOR(AUTHOR): Sloma, Alan; Hannett, Nancy M.; Stephens, M. A.;  
Rudolph, Cathy Faye; Rufo, Gerald A., Jr.; Pero, Janice  
LOCATION: USA  
ASSIGNEE: Biotechnica International, Inc.  
PATENT: European Pat. Appl. ; EP 352073 A1 DATE: 900124  
APPLICATION: EP 89307276 (890718) \*US 219599 (880718)  
PAGES: 21 pp. CODEN: EPXXDW LANGUAGE: English CLASS: C12N-015/75A;  
C12N-015/56B; C12N-015/62B; C12N-009/28B; C12N-001/20B; C12N-001/20J;  
C12R-001/07J DESIGNATED COUNTRIES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI;  
LU; NL; SE

15/3,AB/28 (Item 28 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

113018549 CA: 113(3)18549x JOURNAL  
Gene encoding a novel extracellular metalloprotease in Bacillus subtilis  
AUTHOR(S): Sloma, Alan; Rudolph, Cathy F.; Rufo, Gerald A., Jr.;  
Sullivan, Barbara J.; Theriault, Kelly A.; Ally, Delphine; Pero, Janice  
LOCATION: BioTechnica Int., Inc., Cambridge, MA, 02140, USA  
JOURNAL: J. Bacteriol. DATE: 1990 VOLUME: 172 NUMBER: 2 PAGES: 1024-9  
CODEN: JOBAAY ISSN: 0021-9193 LANGUAGE: English

15/3,AB/29 (Item 29 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

112114642 CA: 112(13)114642x JOURNAL  
Isolation and characterization of a novel extracellular metalloprotease  
from Bacillus subtilis  
AUTHOR(S): Rufo, Gerald A., Jr.; Sullivan, Barbara J.; Sloma, Alan; Pero,  
Janice  
LOCATION: BioTechnica Int., Inc., Cambridge, MA, 02140, USA  
JOURNAL: J. Bacteriol. DATE: 1990 VOLUME: 172 NUMBER: 2 PAGES:  
1019-23 CODEN: JOBAAY ISSN: 0021-9193 LANGUAGE: English

15/3,AB/30 (Item 30 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

111072015 CA: 111(9)72015s JOURNAL  
Gene encoding a minor extracellular protease in Bacillus subtilis  
AUTHOR(S): Sloma, Alan; Ally, Abdul; Ally, Delphine; Pero, Janice  
LOCATION: BioTechnica Int., Inc., Cambridge, MA, 02140, USA  
JOURNAL: J. Bacteriol. DATE: 1988 VOLUME: 170 NUMBER: 12 PAGES:  
5557-63 CODEN: JOBAAY ISSN: 0021-9193 LANGUAGE: English

15/3,AB/31 (Item 31 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

109033211 CA: 109(5)33211s PATENT  
Enhancement of the expression of genes in bacteria by transformation with  
a vector containing an enhancing DNA sequence  
INVENTOR(AUTHOR): Sloma, Alan; Lee, Rosalind C.; Pero, Janice  
LOCATION: USA  
ASSIGNEE: Biotechnica International, Inc.  
PATENT: European Pat. Appl. ; EP 227260 A1 DATE: 870701  
APPLICATION: EP 86308356 (861027) \*US 791350 (851025) \*US 921343 (861020)  
PAGES: 37 pp. CODEN: EPXXDW LANGUAGE: English CLASS: C12N-015/00A;  
C12N-005/00B; C12N-009/50B; C12N-009/26B; C12P-019/34B; C12N-005/00J;  
C12R-001/07J; C12R-001/085J; C12R-001/10J; C12R-001/11J; C12R-001/12J;  
C12R-001/125J; C12N-005/00R DESIGNATED COUNTRIES: AT; BE; CH; DE; ES; FR;

GB; IT; LI; NL; SE

15/3,AB/32 (Item 32 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

102073546 CA: 102(9)73546s PATENT  
Expression and secretion vectors  
INVENTOR(AUTHOR): Sloma, Alan  
LOCATION: USA  
ASSIGNEE: Public Health Research Institute of the City of New York, Inc.  
PATENT: PCT International ; WO 8404541 A1 DATE: 841122  
APPLICATION: WO 84US756 (840518) \*US 496229 (830519) \*US 558547 (831202)  
PAGES: 34 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/00;  
C12P-021/02; C12N-001/20; C12N-001/20J; C12R-001/125J  
DESIGNATED COUNTRIES: AU; BR; DK; FI; JP; MC; NO DESIGNATED REGIONAL: AT  
; BE; CH; DE; FR; GB; LU; NL; SE

15/3,AB/33 (Item 33 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

99170594 CA: 99(21)170594h JOURNAL  
Molecular cloning and nucleotide sequence of the type I  $\beta$ -lactamase  
gene from *Bacillus cereus*  
AUTHOR(S): Sloma, Alan; Gross, Mitchell  
LOCATION: Lab. Appl. Genet., Public Health Res. Inst. City New York, Inc.  
, New York, NY, 10016, USA  
JOURNAL: Nucleic Acids Res. DATE: 1983 VOLUME: 11 NUMBER: 14 PAGES:  
4997-5004 CODEN: NARHAD ISSN: 0305-1048 LANGUAGE: English

15/3,AB/34 (Item 34 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

92002983 CA: 92(1)2983w JOURNAL  
RNA synthesis during spore germination in *Bacillus subtilis*  
AUTHOR(S): Sloma, A.; Smith, I.  
LOCATION: Public Health Res. Inst., City of New York, Inc., New York, NY,  
10016, USA  
JOURNAL: Mol. Gen. Genet. DATE: 1979 VOLUME: 175 NUMBER: 2 PAGES:  
113-20 CODEN: MGGEAE ISSN: 0026-8925 LANGUAGE: English

15/3,AB/35 (Item 35 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

91104970 CA: 91(13)104970m DISSERTATION  
Macromolecular synthesis during spore germination in *Bacillus subtilis*  
AUTHOR(S): Sloma, Alan Paul  
LOCATION: New York Univ., New York, NY, USA  
DATE: 1978 PAGES: 98 pp. CODEN: DABBBB LANGUAGE: English CITATION:  
Diss. Abstr. Int. B 1979, 39(12, Pt. 1), 5767 AVAIL: Univ. Microfilms  
Int., Order No. 7912326

15/3,AB/36 (Item 36 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

85119472 CA: 85(17)119472a JOURNAL  
Conditional mutations in the translational apparatus of *Bacillus subtilis*  
AUTHOR(S): Dubnau, E.; Pifko, S.; Sloma, A.; Cabane, K.; Smith, I.  
LOCATION: Public Health Res. Inst., City New York, Inc., New York, N. Y.  
JOURNAL: Mol. Gen. Genet. DATE: 1976 VOLUME: 147 NUMBER: 1 PAGES:



1-12 CODEN: MGGEAE LANGUAGE: English

15/3,AB/37 (Item 1 from file: 315)  
DIALOG(R)File 315:ChemEng & Biotec Abs  
(c) 2004 DECHEMA. All rts. reserv.

421959 CEABA Accession No.: 28-09-019317 DOCUMENT TYPE: Patent  
Title: Recombinant methods for the production of a %Bacillus% alkaline  
protease.  
AUTHOR: %Sloma, A. P. %; Outtrup, H. ; Dambmann, C. ; Aaslyng, D. A.  
CORPORATE SOURCE: Novo Nordisk Biotech, Inc. Davis, CA USA Novo Nordisk A/S  
Bagsvaerd Denmark  
CODEN: USXXAM  
PATENT NUMBER: US 5622850  
PUBLICATION DATE: 22 Apr 1997 (970422) LANGUAGE: English  
PRIORITY PATENT APPLICATION(S) & DATE(S): DK 70292 (920527)  
ABSTRACT: An isolated nucleic acid construct(s) comprising a nucleic acid  
sequence encoding an alkaline protease derived from a %Bacillus%  
species, Group 1, is disclosed along with recombinant vectors and host  
cells containing such constructs. A method is provided for obtaining  
the enzyme as well as promoter and signal sequences derived from the  
enzyme, and methods of using the promoter and signal sequences in the  
expression of heterologous nucleic acid sequences encoding heterologous  
proteins in bacteria.

15/3,AB/38 (Item 2 from file: 315)  
DIALOG(R)File 315:ChemEng & Biotec Abs  
(c) 2004 DECHEMA. All rts. reserv.

413991 CEABA Accession Number: 28-05-011262 DOCUMENT TYPE: Patent  
Title: Alkaline protease and process for its production.  
AUTHOR: %Sloma, A. P. %; Outtrup, H. ; Dambmann, C. ; Aaslyng, D. A.  
CORPORATE SOURCE: Novo Nordisk Biotech Inc. Davis, CA 95616-4880 USA Novo  
Nordisk A/S DK-2880 Bagsvaerd Denmark  
CODEN: PIXXD2  
PATENT NUMBER: WO 9634963  
PUBLICATION DATE: 7 Nov 1996 (961107) LANGUAGE: English  
PRIORITY PATENT APPLICATION(S) & DATE(S): US 8434255 (950503)  
ABSTRACT: An isolated nucleic acid construct is disclosed, that encodes a  
%Bacillus% species Group I alkaline protease. Methods for the  
recombinant production of the enzyme, cloning vectors and host cells  
are also provided.

15/3,AB/39 (Item 3 from file: 315)  
DIALOG(R)File 315:ChemEng & Biotec Abs  
(c) 2004 DECHEMA. All rts. reserv.

368118 CEABA Accession Number: 26-08-017715 DOCUMENT TYPE: Patent  
Title: Residual protease-III.  
AUTHOR: %Sloma, A. %; Rufo, G. A. Jr.; Pero, J.  
CORPORATE SOURCE: Omnigene Inc. Cambridge, MA USA  
CODEN: USXXAM  
PATENT NUMBER: US 5294542  
PUBLICATION DATE: 15 Mar 1994 (940315) LANGUAGE: English  
PRIORITY PATENT APPLICATION(S) & DATE(S): US 671376 (910319)  
ABSTRACT: An isolated and purified %Bacillus% cell is disclosed, where the  
cell contains a mutation in the rp-III gene, causing inhibition of  
proteolytically active RP-III production.

15/3,AB/40 (Item 4 from file: 315)  
DIALOG(R)File 315:ChemEng & Biotec Abs  
(c) 2004 DECHEMA. All rts. reserv.

334895 CEABA Accession Number: 25-03-006216 DOCUMENT TYPE: Patent  
Title: Expression of heterologous DNA using the %Bacillus% coagulans

amylase gene.

AUTHOR: %Sloma, A.; Hannett, N. M.; Stephens, M. A.; Rudolph, C. F.; Rufo, G. A. Jr.; Pero, J.

CORPORATE SOURCE: Biotech. Int. Inc. Cambridge, MA USA

CODEN: USXXAM

PATENT NUMBER: US 5171673

PUBLICATION DATE: 15 Dec 1992 (921215) LANGUAGE: English

PRIORITY PATENT APPLICATION(S) & DATE(S): US 219599 (880718)

ABSTRACT: A method is disclosed for producing %Bacillus% coagulans amylase in a gram positive cell. It comprises providing a vector containing a DNA sequence encoding B. coagulans amylase which has a specific acid sequence, transforming the cell with the vector, culturing the transformed cell in a medium to produce amylase, and isolating the amylase from either the cultured cell or the medium.

15/3,AB/41 (Item 5 from file: 315)

DIALOG(R)File 315:ChemEng & Biotec Abs

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288726 CEABA Accession Number: 23-02-003122 DOCUMENT TYPE: Patent

Title: Enhancing DNA sequences derived from the sacQ gene.

AUTHOR: %Sloma, A.; Lee, R. C.; Pero, J.

CORPORATE SOURCE: BioTechica Inst. Inc. Cambridge, MA USA

CODEN: USXXAM

PATENT NUMBER: US 5017477

PUBLICATION DATE: 21 May 1991 (910521) LANGUAGE: English

PRIORITY PATENT APPLICATION(S) & DATE(S): US 921343 (861020)

ABSTRACT: A vector comprising a hybrid DNA sequence which enhances protease gene expression in %Bacillus% is disclosed. Hybrid DNA comprises the sacQ DNA sequence which is incapable of gene expression enhancement, linked to a second %Bacillus% DNA sequence.

15/3,AB/42 (Item 6 from file: 315)

DIALOG(R)File 315:ChemEng & Biotec Abs

(c) 2004 DECHEMA. All rts. reserv.

253151 CEABA Accession Number: 21-07-003064 DOCUMENT TYPE: Patent

Title: %Bacillus% strains.

AUTHOR: %Sloma, A.; Rudolf, C. F.; Pero, J.; Rufo, G. A.; Sullivan, B. J.

CORPORATE SOURCE: Biotechnica International Inc. Cambridge, MA 02140 USA

CODEN: EPXXDW

PATENT NUMBER: EP 369817

PUBLICATION DATE: 23 May 1990 (900523) LANGUAGE: English

PRIORITY PATENT APPLICATION(S) & DATE(S): US 273423 (881118)

ABSTRACT: %Bacillus% cells containing a mutation in one or more of the epr genes resulting in inhibition of the production of the proteolytically active epr gene product are described.

15/3,AB/43 (Item 7 from file: 315)

DIALOG(R)File 315:ChemEng & Biotec Abs

(c) 2004 DECHEMA. All rts. reserv.

251128 CEABA Accession Number: 21-03-001041 DOCUMENT TYPE: Patent

Title: Vectors, cells transformed thereby, and their use in producing heterologous protein.

AUTHOR: %Sloma, A.; Hannett, N. A.; Stephens, M. A.; Rudolph, C. F.; Rufo, G. A., Jr.; ET AL.

CORPORATE SOURCE: Biotechnica International plc MA 02140 USA

PATENT NUMBER: EP 352073

PUBLICATION DATE: 24 Jan 1990 (900124) LANGUAGE: English

PRIORITY PATENT APPLICATION(S) & DATE(S): US 219599 (880718)

ABSTRACT: Vectors are described comprising the regulatory DNA naturally operationally associated with and positioned upstream of the %Bacillus% coagulans amylase gene. Downstream of and in reading frame with the said regulatory region, the vector may have a site for insertion of a heterologous DNA sequence.

15/3,AB/44 (Item 8 from file: 315)  
DIALOG(R)File 315:ChemEng & Biotec Abs  
(c) 2004 DECHEMA. All rts. reserv.

190754 CEABA Accession Number: 18-10-004078 DOCUMENT TYPE: Patent  
Title: Enhancing the expression of genes in microorganisms.  
AUTHOR: %Sloma, A.%; Lee, R. C.; Pero, J.  
CORPORATE SOURCE: BioTechnica International USA  
PATENT NUMBER: EP 227260  
PUBLICATION DATE: 1 Jul 1987 (870701) LANGUAGE: English  
PRIORITY PATENT APPLICATION(S) & DATE(S): US 791350 (851025)  
ABSTRACT: A Gram-positive bacterial cell (e.g. %Bacillus% or Clostridium)  
was transformed with a gene encoding a desired product under the  
transcription control of an endogenous protease (e.g. subtilisin) and  
with a DNA sequence capable of enhancing the production of said  
protease.

15/3,AB/45 (Item 9 from file: 315)  
DIALOG(R)File 315:ChemEng & Biotec Abs  
(c) 2004 DECHEMA. All rts. reserv.

190242 CEABA Accession Number: 18-09-003566 DOCUMENT TYPE: Patent  
Title: Expression and secretion vectors and method of constructing vectors.  
AUTHOR: %Sloma, A.%  
CORPORATE SOURCE: Public Health Research Institute USA  
PATENT NUMBER: US 4663280  
PUBLICATION DATE: 5 May 1987 (870505) LANGUAGE: English  
PRIORITY PATENT APPLICATION(S) & DATE(S): US 558547 (831202)  
ABSTRACT: The vector comprised the promoter sequence and part of the  
signal sequence of the %Bacillus% cereus penicillinase gene, coding for  
at least the first 26 amino acids of the penicillinase signal peptide.  
The signal peptide had a restriction site at or near the 3'-end of the  
signal sequence to which heterologous genes could be linked.

?

Set	Items	Description
S1	708397	BACILLUS
S2	12	S1 AND YVMC
S3	12	RD (unique items)
S4	13	S1 AND CYPX
S5	13	RD (unique items)
S6	381	S1 AND RED (1W) PIGMENT
S7	4	S6 AND PIGMENT (1W) DEFICIENT
S8	4	RD (unique items)
S9	143	S6 AND MUTANT
S10	132	RD (unique items)
S11	81	S10 NOT PY>2002

? t s11/3,ab/1-41

>>>No matching display code(s) found in file(s): 65, 129, 135, 180, 332, 336, 342, 345, 390-391, 398

11/3,AB/1 (Item 1 from file: 5)  
 DIALOG(R)File 5:Biosis Previews(R)  
 (c) 2004 BIOSIS. All rts. reserv.

0007151882 BIOSIS NO.: 199089069773  
 PRODUCTION OF PURPLISH-%RED% %PIGMENT% IN MIXED CULTURE OF  
 STREPTOMYCES-PROPURPURATUS ATCC 21630 AND %BACILLUS%-SP R-89  
 AUTHOR: RYU B-H (Reprint); PARK B-G; CHI Y-E; LEE J-H  
 AUTHOR ADDRESS: DEP FOOD SCI TECHNOLOGY, KYUNGSUNG UNIV, PUSAN 608-736,  
 KOREA\*\*KOREA  
 JOURNAL: Korean Journal of Applied Microbiology and Bioengineering 17 (4):  
 p327-333 1989  
 ISSN: 0257-2389  
 DOCUMENT TYPE: Article  
 RECORD TYPE: Abstract  
 LANGUAGE: ENGLISH

ABSTRACT: The purplish-%red% %pigment% was formed on agar plate by  
 superimposed streaking of Streptomyces propurpuratus ATCC 21630 and  
 strain R-89. The strain Number 89 was ascribable to the genus %Bacillus% and  
 designated as %Bacillus% sp. R-89. Both strain did not produced such  
 pigment when cultivated independently. For hyperpigment production, we  
 selected the %mutant% S.P-6 from Streptomyces propurpuratus ATCC 21630 by  
 MNNG (N-methyl-N'-nitro-N-nitrosoguanidine) treatment. Maximum purplish-  
 %red% %pigment% 1420 mg/ml were produced, when the %mutant% of R-16 and  
 %Bacillus% sp. R-89 were mixed cultured at 30° C for 72 hr.

11/3,AB/2 (Item 1 from file: 34)  
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
 (c) 2004 Inst for Sci Info. All rts. reserv.

05583487 Genuine Article#: WJ194 Number of References: 39  
 Title: Applications of transposition mutagenesis in antibiotic producing  
 streptomycetes (ABSTRACT AVAILABLE)  
 Author(s): Baltz RH (REPRINT) ; McHenney MA; Cantwell CA; Queener SW;  
 Solenberg PJ  
 Corporate Source: LILLY RES LABS,/INDIANAPOLIS//IN/46285 (REPRINT)  
 Journal: ANTONIE VAN LEEUWENHOEK INTERNATIONAL JOURNAL OF GENERAL AND  
 MOLECULAR MICROBIOLOGY, 1997, V71, N1-2 (FEB), P179-187  
 ISSN: 0003-6072 Publication date: 19970200  
 Publisher: KLUWER ACADEMIC PUBL, SPUIBOULEVARD 50, PO BOX 17, 3300 AA  
 DORDRECHT, NETHERLANDS  
 Language: English Document Type: ARTICLE  
 Abstract: Several transposons have been developed from the streptomycete  
 insertion sequence IS493. They have broad host specificity in  
 Streptomyces species and insert relatively randomly into a consensus  
 target sequence of gNCaNTgNNy. Collectively, they have specialized  
 features that facilitate the following: cloning of DNA flanking  
 insertions; physical mapping of insertions; construction of highly  
 stable mutants; and efficient construction of %mutant% libraries. All  
 of the transposons can be introduced into streptomycetes by conjugation

from E. coli, and can be delivered by curing the temperature sensitive delivery plasmid. Tn5099 was used to physically map genes involved in daptomycin and %red% %pigment% production in Streptomyces roseosporus, and to clone daptomycin biosynthetic genes. Tn5099 was also used in Streptomyces fradiae to identify and clone a neutral genomic site for the insertion of a second copy of the tylF gene. Recombinants containing two copies of the tylF gene carried out the normally rate limiting conversion of macrocin to tylosin very efficiently, thus causing substantial increases in tylosin yield.

11/3,AB/3 (Item 2 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2004 Inst for Sci Info. All rts. reserv.

05580435 Genuine Article#: WH827 Number of References: 31  
Title: The red/white colony color assay in the yeast Saccharomyces cerevisiae: Epistatic growth advantage of white ade8-18, ade2 cells over red ade2 cells (ABSTRACT AVAILABLE)  
Author(s): Ugolini S; Bruschi CV (REPRINT)  
Corporate Source: INT CTR GENET ENGN & BIOTECHNOL,IEGEB, MICROBIOL GRP, AREA SCI PK, PADRICIANO 99/I-34012 TRIESTE//ITALY/ (REPRINT); INT CTR GENET ENGN & BIOTECHNOL,IEGEB, MICROBIOL GRP/I-34012 TRIESTE//ITALY/  
Journal: CURRENT GENETICS, 1996, V30, N6 (DEC), P485-492  
ISSN: 0172-8083 Publication date: 19961200  
Publisher: SPRINGER VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010  
Language: English Document Type: ARTICLE  
Abstract: In the yeast ~~Saccharomyces cerevisiae~~ the ade2, and/or the adel, mutation in the adenine biosynthetic pathway leads to the accumulation of a cell-limited %red% %pigment%, while epistatic mutations in the same pathway, i.e. ade8, preclude this phenomenon, resulting in normal white colonies. The shift in color from red to white (or vice versa) with a combination of appropriate wild-type and %mutant% alleles of the adenine-pathway genes has been widely utilized as a non-selective phenotype to visualise and quantify the occurrence of various genetic events such as recombination, conversion and aneuploidy. It has provided an invaluable tool for the study of gene dosage and plasmid stability. In competition experiments between disrupted ade2, ade8-18 transformants carrying either a functional or non-functional episomal ADE8 gene, we verified that white ade8 ade2 cells show a remarkable selective advantage over red ade2 cells, with important implications on the use of this assay for the monitoring of genetic events. The accumulation of the %red% %pigment% in ade2 cells is likely to be the cause for impaired growth in these cells.

11/3,AB/4 (Item 3 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2004 Inst for Sci Info. All rts. reserv.

05439904 Genuine Article#: VY931 Number of References: 39  
Title: GERMLINE TRANSFORMATION USING A PRUNE CDNA RESCUES PRUNE KILLER OF PRUNE LETHALITY AND THE PRUNE EYE COLOR PHENOTYPE IN DROSOPHILA (Abstract Available)  
Author(s): TIMMONS L; SHEARN A  
Corporate Source: JOHNS HOPKINS UNIV,DEPT BIOL/BALTIMORE//MD/21218; JOHNS HOPKINS UNIV,DEPT BIOL/BALTIMORE//MD/21218  
Journal: GENETICS, 1996, V144, N4 (DEC), P1589-1600  
ISSN: 0016-6731  
Language: ENGLISH Document Type: ARTICLE  
Abstract: Null mutations in the prune gene of Drosophila melanogaster result in prune eye color due to reductions in %red% %pigment% accumulation. When one copy of the awd(Killer of prune) %mutant% gene is present in a prune background, the animals die. The cause of prune/Killer of prune lethality remains unknown. The genomic region characterized for the prune locus is transcriptionally active and complex, with multiple and overlapping transcripts. Despite the transcriptional complexity of the genomic region of prune, accumulated evidence suggests that the prune locus is small and consists of a

single transcription unit, since every prune allele to date exhibits both prune eye color and prune/Killer of prune lethality. A functional prune product from a single, full-length cDNA was identified in this study that can rescue both the eye phenotype and prune/Killer of prune lethality. The DNA sequences of several %mutant% prune alleles along with Western blot analysis of %mutant% proteins provide convincing evidence that prune mutations are nulls, and that the cDNA identified in this study encodes the only product of the prune locus.

11/3,AB/5 (Item 4 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2004 Inst for Sci Info. All rts. reserv.

02345033 Genuine Article#: KV782 Number of References: 20  
Title: ANTHRAQUINONES FROM SOME DRECHSLERA SPECIES AND  
BIPOLARIS-SOROKINIANA (Abstract Available)  
Author(s): ENGSTROM K; BRISHAMMAR S; SVENSSON C; BENGTSSON M; ANDERSSON R  
Corporate Source: SWEDISH UNIV AGR SCI,DEPT PLANT & FOREST PROTECT,POB  
7044/S-75007 UPPSALA//SWEDEN/; SWEDISH UNIV AGR SCI,DEPT PLANT & FOREST  
PROTECT,POB 7044/S-75007 UPPSALA//SWEDEN/; SWEDISH UNIV AGR SCI,DEPT  
CHEM/S-75007 UPPSALA//SWEDEN/

Journal: MYCOLOGICAL RESEARCH, 1993, V97, MAR (MAR), P381-384  
ISSN: 0953-7562

Language: ENGLISH Document Type: ARTICLE

Abstract: The red pigments exudated from Drechslera teres, D. graminea, D. tritici-repentis, D. phlei, D. dictyoides, D. avenae and Bipolaris sorokiniana, were extracted and isolated by means of thin-layer chromatography and/or high-performance liquid chromatography. Chemical characterization was made by spot-tests, uv-vis spectrophotometry and H-1-nuclear magnetic resonance spectroscopy. The %red% %pigment% produced by the five first-mentioned Drechslera species was identified as the anthraquinone catenarin white that from a avenae and B. sorokiniana consisted of two other anthraquinones - cynodontin and helminthosporin. Catenarin was totally inhibitory against the Gram-positive bacterium %Bacillus% subtilis but not the Gram-negative bacterium Erwinia carotovora. However, catenarin could also partly inhibit the mycelium of D. teres itself.

11/3,AB/6 (Item 1 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

0005096705  
Derwent Accession: 2003-198329  
Agouti polynucleotide compositions and methods of use  
Inventor: Richard Woychik, INV  
Scott Bultman, INV  
Edward Michaud, INV  
Correspondence Address: GREGORY A. NELSON AKERMAN, SENTERFITT AND EIDSON,  
P.A., 222 LAKEVIEW AVENUE, SUITE 400 P.O.BOX 3188, WEST PALM BEACH, FL,  
33402-3188, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20020151463	A1	20021017	US 2001781811	20010212
Division	US 6310034			US 9834088	19980303
CIP	ABANDONED			US 9364385	19930521

Fulltext Word Count: 107190

#### Abstract:

Disclosed are methods and compositions comprising novel agouti polypeptides and the polynucleotides which encode them. Also disclosed are DNA segments encoding these proteins derived from human and murine cell lines, and the use of these polynucleotides and polypeptides in a

variety of diagnostic and therapeutic applications. Methods, compositions, kits, and devices are also provided for identifying compounds which are inhibitors of agouti activity, and for altering fatty acid synthetase activity and intracellular calcium levels in transformed cells.

11/3,AB/7 (Item 2 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

0005087568

Derwent Accession: 2003-102510

Fungal target genes and methods to identify those genes

Inventor: Xun Wang, INV  
Barbara Turgeon, INV  
Olen Yoder, INV  
Jianguo Wu, INV

Correspondence Address: TORREY MESA RESEARCH INSTITUTE INTELLECTUAL  
PROPERTY DEPARTMENT, 3115 MERRYFIELD ROW, SAN DIEGO, CA, 92121, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20020142324	A1	20021003	US 2001961527	20010924
Provisional				US 60-234673	20000922
Provisional				US 60-234650	20000922

Fulltext Word Count: 31339

#### Abstract:

A method for gene identification using genome-wide deletion of genes is provided. The method may be used with any organism capable of homologous recombination, including plants, plant pathogens, microorganisms, and vertebrates. Also provided are genes isolated from Cochliobolus that code for polypeptides essential for normal fungal growth and development and/or for pathogenicity, and methods to identify polypeptides essential to the viability of an organism and/or those associated with pathogenicity. The invention also includes methods of using these polypeptides to identify fungicides. The invention can further be used in a screening assay to identify inhibitors that are potential fungicides.

11/3,AB/8 (Item 3 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

0005049427

Derwent Accession: 2001-049940

The maize A3 promoter and methods for use thereof

Inventor: David McElroy, INV  
Alan Kriz, INV  
Emil Orozco, INV  
Matt Griffor, INV

Assignee: DEKALB GENETICS CORPORATION (02), Mystic, CT  
Correspondence Address: FULBRIGHT & JAWORSKI, L.L.P., 600 Congress  
Avenue Suite 2400, Austin, TX, 78701, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20020104121	A1	20020801	US 2001850964	20010507
Division	US 6232526			US 99312038	19990514

Fulltext Word Count: 53318

Abstract:

The current invention provides the maize A3 promoter and actin 2 intron. Compositions comprising these sequences are described, as well as transformation constructs derived therefrom. Further provided are methods for the expression of transgenes in plants comprising the use of these sequences. The methods of the invention include the direct creation of transgenic plants with the A3 promoter directly by genetic transformation, as well as by plant breeding methods. The sequences of the invention represent a valuable new tool for the creation of transgenic plants, preferably having one or more added beneficial characteristics.

11/3,AB/9 (Item 4 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

0004945442  
Derwent Accession: 2001-596841  
Homologous recombination-mediated transgene alterations in plants  
Inventor: David McElroy, INV  
David Walters, INV  
Larry Gilbertson, INV  
Correspondence Address: SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A., P.O.  
Box 2938, Minneapolis, MN, 55402, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20010056583	A1	20011227	US 2001801261	20010307
CIP	PENDING			US 2000521557	20000309

Fulltext Word Count: 39801

Abstract:

The invention provides a process to prepare a recombined transgenic Zea mays plant from a transgenic Zea mays plant, wherein the transgene in the recombinant plant has an altered genetic structure relative to the genetic structure of the transgene in the transgenic plant, due to homologous recombination-mediated transgene deletion, amplification or rearrangement.

11/3,AB/10 (Item 5 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4733308  
Derwent Accession: 2001-016243  
Utility  
C/ Maize RS81 promoter and methods for use thereof  
; CROSSED FERTILE TRANSGENIC PLANT  
Inventor: McElroy, David, Palo Alto, CA  
Orozco, Jr., Emil M., West Grove, PA  
Laccetti, Lucille B., Groton, CT  
Assignee: Dekalb Genetics Corporation (02), Mystic, CT  
DeKalb Genetics Corp (Code: 35285)  
Examiner: Fox, David T. (Art Unit: 168)  
Assistant Examiner: Ibrahim, Medina A.  
Law Firm: Fulbright & Jaworski LLP



	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6437217	A	20020820	US 2000728792	20001130
Division	US 6207879	A		US 99312266	19990514

Fulltext Word Count: 43219

#### Abstract:

The current invention provides the maize RS81 promoter. Compositions comprising this sequence are described, as are plants transformed with such compositions. Further provided are methods for the expression of transgenes in plants comprising the use of these sequences. The methods of the invention include the direct creation of transgenic plants with the RS81 promoter by genetic transformation, as well as by plant breeding methods. The sequences of the invention represent a valuable new tool for the creation of transgenic plants, preferably having one or more added beneficial characteristics.

11/3,AB/11 (Item 6 from file: 654)  
 DIALOG(R)File 654:US Pat.Full.  
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

4729014  
 Derwent Accession: 2000-072441  
 Utility  
 CERTIFICATE OF CORRECTION  
 C/ Maize L3 oleosin promoter  
 ; CONSTRUCT COMPRISING MAIZE L3 OLEOSIN PROMOTER WHICH COMPRISES SPECIFIED  
 NUCLEOTIDE SEQUENCE  
 Inventor: Kriz, Alan L., Gales Ferry, CT  
 Griffor, Mathew, North Stonington, CT  
 Assignee: Dekalb Genetics Corporation (02), Dekalb, IL  
 DeKalb Genetics Corp (Code: 35285)  
 Examiner: Fox, David T. (Art Unit: 168)  
 Assistant Examiner: Kubelik, Anne  
 Law Firm: Fulbright & Jaworski L.L.P.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6433252	A	20020813	US 2000695782	20001024
Continuation	US 6307123	A		US 9880625	19980518

Fulltext Word Count: 39705

#### Abstract:

The present invention provides methods and compositions for the identification of transgenic seeds. This is accomplished by use of screenable markers linked to aleurone-specific promoters. The screenable markers can be provided as gene fusions with selectable markers, allowing both selection and screening of transformants. The use of aleurone-specific promoters, which also direct expression in embryogenic tissues, allows efficient selection of transgenic cells and the screening of viable transgenic seeds, while avoiding the deleterious effects associated with constitutive expression of screenable marker genes. Screening of transgenic seeds avoids the need for growing and assaying of seeds for transgenes and allows implementation of automated seed screening techniques for the identification of transgenic seeds.

11/3,AB/12 (Item 7 from file: 654)  
 DIALOG(R)File 654:US Pat.Full.  
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

4724781  
 Derwent Accession: 2001-016242  
 Utility

CERTIFICATE OF CORRECTION

C/ Rice actin 2 promoter and intron and methods for use thereof  
; FERTILE TRANSGENIC PLANT; TRANSFORMATION, GENETIC ENGINEERING, AND GENE  
EXPRESSION

Inventor: McElroy, David, Palo Alto, CA  
Wu, Ray, Ithaca, NY

Assignee: Dekalb Genetics Corp. (02), Mystic, CT  
Cornell Research Foundation, Inc. (02), Ithaca, NY  
Cornell Research Foundation Inc  
DeKalb Genetics Corp (Code: 20656 35285)

Examiner: Bui, Phuong T. (Art Unit: 169)

Assistant Examiner: Ibrahim, Medina A.

Law Firm: Fulbright & Jaworski LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6429357	A	20020806	US 99312304	19990514

Fulltext Word Count: 44409

Abstract:

The current invention provides regulatory regions from the rice actin 2 gene. In particular, the current invention provides the rice actin 2 promoter and actin 2 intron. Compositions comprising these sequences are described, as well as transformation constructs derived therefrom. Further provided are methods for the expression of transgenes in plants comprising the use of these sequences. The methods of the invention include the direct creation of transgenic plants with the rice actin 2 intron and/or promoter directly by genetic transformation, as well as by plant breeding methods. The actin 2 sequences of the invention represent a valuable new tool for the creation of transgenic plants, preferably having one or more added beneficial characteristics.

11/3,AB/13 (Item 8 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4721587

Derwent Accession: 2001-007500

Utility

C/ Maize RS324 promoter and methods for use thereof  
; TRANSGENIC PLANT; GENETIC ENGINEERING

Inventor: McElroy, David, Palo Alto, CA  
Orozco, Jr., Emil M., West Grove, PA  
Laccetti, Lucille B., Groton, CT

Assignee: DeKalb Genetics Corporation (02), DeKalb, IL  
DeKalb Genetics Corp (Code: 35285)

Examiner: Fox, David T. (Art Unit: 168)

Assistant Examiner: Ibrahim, Medina A.

Law Firm: Fulbright & Jaworski LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6426446	A	20020730	US 2000728764	20001130
Division	US 6194636	A		US 99312285	19990514

Fulltext Word Count: 42550

Abstract:

The current invention provides the maize RS324 promoter. Compositions comprising this sequence are described, as are plants transformed with such compositions. Further provided are methods for the expression of transgenes in plants comprising the use of these sequences. The methods of the invention include the direct creation of transgenic plants with the RS324 promoter by genetic transformation, as well as by plant

breeding methods. The sequences of the invention represent a valuable new tool for the creation of transgenic plants, preferably having one or more added beneficial characteristics.

11/3,AB/14 (Item 9 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4692243  
Derwent Accession: 1995-106857  
Utility

CERTIFICATE OF CORRECTION

C/ Methods and compositions for the production of stably transformed, fertile monocot plants and cells thereof

Inventor: Anderson, Paul C., Stonington, CT  
Flick, Christopher E., Old Saybrook, CT  
Gordon-Kamm, William J., Stonington, CT  
Kausch, Albert P., Stonington, CT  
Mackey, Catherine J., Old Lyme, CT  
Orozco, Emil M., Groton, CT  
Orr, Peter, Pawcatuck, CT  
Stephens, Michael A., East Lyme, CT  
Walters, David A., Groton, CT  
Walters, Donald S., Mystic, CT

Assignee: Dekalb Genetics Corp. (02), DaKalb, IL  
(Code: 35285)

Examiner: Benzion, Gary (Art Unit: 168)

Law Firm: Schwegman, Lundberg, Woessner & Kluth, P.A.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6399861	A	20020604	US 95447985	19950523
Division	Pending			US 93113561	19930825
CIP	Pending			US 90565844	19900809
CIP	Pending			US 90513298	19900417

Fulltext Word Count: 65950

Abstract:

This invention relates to a reproducible system for the production of stable, genetically transformed maize cells, and to methods of selecting cells that have been transformed. One method of selection disclosed employs the Streptomyces bar gene introduced by microprojectile bombardment into embryogenic maize cells which were grown in suspension cultures, followed by exposure to the herbicide bialaphos. The methods of achieving stable transformation disclosed herein include tissue culture methods and media, methods for the bombardment of recipient cells with the desired transforming DNA, and methods of growing fertile plants from the transformed cells. This invention also relates to the transformed cells and seeds and to the fertile plants grown from the transformed cells and to their pollen.

11/3,AB/15 (Item 10 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4614788  
Derwent Accession: 2002-129518  
Utility

CERTIFICATE OF CORRECTION

C/ High lysine fertile transgenic corn plants

Inventor: Lundquist, Ronald C., Minnetonka, MN  
Walters, David A., Groton, CT  
Kirihara, Julie A., Bloomington, MN

Assignee: Dekalb Genetics Corporation (02), DeKalb, IL  
DeKalb Genetics Corp (Code: 35285)

Examiner: Benzion, Gary (Art Unit: 169)  
Law Firm: Schwegman, Lundberg, Woessner & Kluth, P.A.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6329574	A	20011211	US 98122399	19980724
Division	Pending			US 95440646	19950515
Division	Pending			US 93112245	19930825
CIP	Abandoned			US 90636089	19901228
CIP	US 5484956	A		US 90508045	19900411
CIP	Abandoned			US 90467983	19900122

Fulltext Word Count: 69816

Abstract:

This invention relates to a reproducible system for the production of stable, genetically transformed maize cells, and to methods of selecting cells that have been transformed. One method of selection disclosed employs the Streptomyces bar gene introduced by microprojectile bombardment into embryogenic maize cells which were grown in suspension cultures, followed by exposure to the herbicide bialaphos. The methods of achieving stable transformation disclosed herein include tissue culture methods and media, methods for the bombardment of recipient cells with the desired transforming DNA, and methods of growing fertile plants from the transformed cells. This invention also relates to the transformed cells and seeds and to the fertile plants grown from the transformed cells and to their pollen.

11/3,AB/16 (Item 11 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4593264  
Derwent Accession: 2002-040243  
Utility  
REASSIGNED  
C/ Agouti polypeptide compositions  
; USE IN DETECTION AND TREATMENT OF DIABETES, NEOPLASMS, HYPERINSULINEMIA,  
AND OBESITY  
Inventor: Woychik, Richard P., Orinda, CA  
Bultman, Scott J., Lakewood, OH  
Michaud, Edward J., Kingston, TN  
Assignee: UT-Battelle, LLC (02), Oak Ridge, TN  
UT-Battelle LLC (Code: 53653)  
Examiner: Kammerer, Elyabik C. (Art Unit: 166)  
Law Firm: Williams, Morgan & Amerson

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6310034	A	20011030	US 9834088	19980303
CIP	Abandoned			US 9364385	19930521

Fulltext Word Count: 93321

Abstract:

Disclosed are methods and compositions comprising novel agouti polypeptides and the polynucleotides which encode them. Also disclosed are DNA segments encoding these proteins derived from human and murine cell lines, and the use of these polynucleotides and polypeptides in a variety of diagnostic and therapeutic applications. Methods, compositions, kits, and devices are also provided for identifying compounds which are inhibitors of agouti activity, and for altering fatty acid synthetase activity and intracellular calcium levels in transformed cells.

11/3,AB/17 (Item 12 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4590032

Derwent Accession: 2000-072441

Utility

C/ Methods and compositions for transgene identification  
; EXPRESSION VECTORS FOR UTILIZATION AS TOOLS IN GENETIC ENGINEERING

Inventor: Kriz, Alan L., Gales Ferry, CT

Spencer, T. Michael, Mystic, CT

Assignee: Dekalb Genetics Corporation (02), Dekalb, IL

DeKalb Genetics Corp (Code: 35285)

Examiner: Hutzell, Paula (Art Unit: 168)

Law Firm: Fulbright&Jaworski LLP

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 6307123	A	20011023	US 9880625	19980518

Fulltext Word Count: 41047

Abstract:

The present invention provides methods and compositions for the identification of transgenic seeds. This is accomplished by use of screenable markers linked to aleurone-specific promoters. The screenable markers can be provided as gene fusions with selectable markers, allowing both selection and screening of transformants. The use of aleurone-specific promoters, which also direct expression in embryogenic tissues, allows efficient selection of transgenic cells and the screening of viable transgenic seeds, while avoiding the deleterious effects associated with constitutive expression of screenable marker genes. Screening of transgenic seeds avoids the need for growing and assaying of seeds for transgenes and allows implementation of automated seed screening techniques for the identification of transgenic seeds.

11/3,AB/18 (Item 13 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4507605

Derwent Accession: 2001-049940

Utility

C/ Maize A3 promoter and methods for use thereof

; TRANSGENIC PLANT WITH SELECTED REGION ENCODED WITH RESISTANCE PROTEIN;  
ISOLATED NUCLEIC ACID PROMOTER-ENHANCER COMBINATIONS CAPABLE OF DIRECTING  
HIGH-LEVEL EXPRESSION OF EXOGENOUS GENES IN TRANSGENIC CROP PLANTS

Inventor: McElroy, David, Palo Alto, CA

Kriz, Alan L., Gales Ferry, CT

Orozco, Jr., Emil M., West Grove, PA

Griffor, Matt, N. Stonington, CT

Assignee: Dekalb Genetics Corp. (02), Mystic, CT

DeKalb Genetics Corp (Code: 35285)

Examiner: Fox, David T. (Art Unit: 168)

Assistant Examiner: Ibrahim, Medina A.

Law Firm: Fulbright & Jaworski LLP

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 6232526	A	20010515	US 99312038	19990514

Fulltext Word Count: 45089

Abstract:

The current invention provides the maize A3 promoter and actin 2 intron. Compositions comprising these sequences are described, as well as transformation constructs derived therefrom. Further provided are methods for the expression of transgenes in plants comprising the use of these sequences. The methods of the invention include the direct creation of transgenic plants with the A3 promoter directly by genetic transformation, as well as by plant breeding methods. The sequences of the invention represent a valuable new tool for the creation of transgenic plants, preferably having one or more added beneficial characteristics.

11/3,AB/19 (Item 14 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4480362  
Derwent Accession: 2001-016243  
Utility  
CERTIFICATE OF CORRECTION  
C/ Maize RS81 promoter and methods for use thereof  
Inventor: McElroy, David, Palo Alto, CA  
Orozco, Jr., Emil M., West Grove, PA  
Laccetti, Lucille B., Groton, CT  
Assignee: Dekalb Genetics Corporation (02), Mystic, CT  
DeKalb Genetics Corp (Code: 35285)  
Examiner: Fox, David T. (Art Unit: 168)  
Assistant Examiner: Ibrahim, Medina A.  
Law Firm: Fulbright & Jaworski LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6207879	A	20010327	US 99312266	19990514

Fulltext Word Count: 43477

Abstract:

The current invention provides the maize RS81 promoter. Compositions comprising this sequence are described, as are plants transformed with such compositions. Further provided are methods for the expression of transgenes in plants comprising the use of these sequences. The methods of the invention include the direct creation of transgenic plants with the RS81 promoter by genetic transformation, as well as by plant breeding methods. The sequences of the invention represent a valuable new tool for the creation of transgenic plants, preferably having one or more added beneficial characteristics.

11/3,AB/20 (Item 15 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4465666  
Derwent Accession: 2001-007500  
Utility  
CERTIFICATE OF CORRECTION  
C/ Maize RS324 promoter and methods for use thereof  
Inventor: McElroy, David, Palo Alto, CA  
Orozco, Jr., Emil M., West Grove, PA  
Laccetti, Lucille B., Groton, CT  
Assignee: Dekalb Genetics Corp. (02), Mystic, CT  
DeKalb Genetics Corp (Code: 35285)  
Examiner: Fox, David T. (Art Unit: 168)  
Assistant Examiner: Ibrahim, Medina A.  
Law Firm: Fulbright & Jaworski LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6194636	A	20010227	US 99312285	19990514

Fulltext Word Count: 43060

#### Abstract:

The current invention provides the maize RS324 promoter. Compositions comprising this sequence are described, as are plants transformed with such compositions. Further provided are methods for the expression of transgenes in plants comprising the use of these sequences. The methods of the invention include the direct creation of transgenic plants with the RS324 promoter by genetic transformation, as well as by plant breeding methods. The sequences of the invention represent a valuable new tool for the creation of transgenic plants, preferably having one or more added beneficial characteristics.

11/3,AB/21 (Item 16 from file: 654)  
 DIALOG(R) File 654:US Pat.Full.  
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

4444300  
 Derwent Accession: 1999-347480  
 Utility

#### CERTIFICATE OF CORRECTION

C/ Nucleic acid sequence encoding FLP recombinase  
 ; NUCLEOTIDE SEQUENCE HAVING MAIZE-PREFERRED CODONS; FOR TRANSFORMED PLANTS  
 ALLOWING EFFICIENT SITE-DIRECTED RECOMBINATION

Inventor: Baszczynski, Christopher L., Urbandale, IA  
 Bowen, Benjamin A., Des Moines, IA  
 Drummond, Bruce J., Des Moines, IA  
 Gordon-Kamm, William J., Urbandale, IA  
 Peterson, David J., Ames, IA  
 Sandahl, Gary A., West Des Moines, IA  
 Tagliani, Laura A., Ankeny, IA  
 Zhao, Zuo-Yu, Urbandale, IA  
 St. Clair, Grace marie, Des Moines, IA

Assignee: Pioneer Hi-Bred International, Inc. (02), Johnston, IA  
 Pioneer Hi-Bred International Inc (Code: 17947)

Examiner: McElwain, Elizabeth F. (Art Unit: 168)

Assistant Examiner: Zaghmout, Ousama

Law Firm: Alston & Bird LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6175058	A	20010116	US 99263128	19990305
Continuation	US 5929301	A		US 97972258	19971118

Fulltext Word Count: 18202

#### Abstract:

A nucleic acid sequence effectively expressing FLP recombinase in monocot plants, particularly in maize. Stable, transformed maize plants harboring a gene encoding FLP or harboring FRT nucleic acid sequences enable efficient site-directed recombination of nucleic acid sequences in a monocot's genome.

11/3,AB/22 (Item 17 from file: 654)  
 DIALOG(R) File 654:US Pat.Full.  
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

4421292  
 Derwent Accession: 1999-405177

Utility

CERTIFICATE OF CORRECTION

C/ Method for reduction of transgene copy number

Inventor: Lowe, Brenda A., Mystic, CT

Spencer, T. Michael, Mystic, CT

Kausch, Albert P., Stonington, CT

Assignee: Dekalb Genetics Corporation (02), Dekalb, IL

DeKalb Genetics Corp (Code: 35285)

Examiner: Smith, Lynette R. F. (Art Unit: 168)

Assistant Examiner: Zaghmout, Ousama

Law Firm: Fulbright & Jaworski, L.L.P.

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 6153811	A	20001128	US 97995451	19971222

Fulltext Word Count: 35155

Abstract:

The present invention provides methods for the efficient production of transformants with low transgene copy numbers. In the method, the average transgene copy number of transformants is decreased through methods which are believed to limit the interaction between segments of transforming DNA prior to transformation. The methods comprise means for end-modification of transforming DNA and use of limited quantities of DNA for transformation. Production of single or low copy transformation events is desirable in that it avoids many of the problems associated with high transgene copy number including co-suppression, unpredictable gene expression and non-Mendelian inheritance.

11/3,AB/23 (Item 18 from file: 654)

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2004 The Dialog Corp. All rts. reserv.

4307125

Derwent Accession: 1997-100160

Utility

C/ Sequences for production of 2,4-diacetylphloroglucinol and methods  
; PROTEIN FROM PSEUDOMONAS FLUORESCENS INVOLVED IN ANTIBIOTIC BIOSYNTHESIS;  
FOR TRANSFORMED BACTERIA THAT ARE USEFUL AS AGRICULTURAL BIOCONTROL AGENTS  
AGAINST FUNGAL PATHOGENS

Inventor: Thomashow, Linda S., Pullman, WA

Bangera, Mahalaxmi, Pullman, WA

Weller, David M., Pullman, WA

Cook, R. James, Pullman, WA

Assignee: The United States of America as represented by the Secretary of

Agriculture (06), Washington, DC

Washington State University Research Foundation (02), Pullman, WA

U S of America Agriculture Secretary of

Washington State University Research Foundation (Code: 86512

90675)

Examiner: Wax, Robert A. (Art Unit: 162)

Assistant Examiner: Fronda, Christian L.

Combined Principal Attorneys: Silverstein, M. Howard; Fado, John D.;

Connor, Margaret A.

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 6051383	A	20000418	US 99251725	19990217
Division	US 5955298	A		US 95494907	19950626

Fulltext Word Count: 19567

Abstract:



DNA sequences which function specifically in the synthesis of 2,4-diacetylphloroglucinol (Phl) are described. The sequences include phl genes which encode phl gene proteins and coding and regulatory sequences for production of Phl as well as sequences containing phl genes, which sequences have the capability of conferring or enhancing Phl biosynthetic capability in bacterial strains. The transformed strains are useful as biocontrol agents against fungal pathogens.

11/3,AB/24 (Item 19 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4278715

Derwent Accession: 2000-181844

Utility

CERTIFICATE OF CORRECTION

C/ Methods and compositions for the production of stably transformed, fertile monocot plants and cells thereof

; REPRODUCIBLE SYSTEM FOR THE PRODUCTION OF STABLE, GENETICALLY TRANSFORMED MAIZE CELLS, AND TO METHODS OF SELECTING CELLS THAT HAVE BEEN TRANSFORMED

Inventor: Lundquist, Ronald C., Minnetonka, MN

Walters, David A., Groton, CT

Spencer, T. Michael, Mystic, CT

Mackey, Catherine J., Old Lyme, CT

Assignee: Dekalb Genetics Corporation (02), Dekalb, IL

DeKalb Genetics Corp (Code: 35285)

Examiner: Benzion, Gary (Art Unit: 169)

Law Firm: Schwegman, Lundberg, Woessner & Kluth, P.A.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6025545	A	20000215	US 95440689	19950515
Continuation	Pending			US 93112245	19930825
CIP	Abandoned			US 90636089	19901228
CIP	US 5484956	A		US 90508045	19900411
CIP	Abandoned			US 90467983	19900122

Fulltext Word Count: 67367

Abstract:

This invention relates to a reproducible system for the production of stable, genetically transformed maize cells, and to methods of selecting cells that have been transformed. One method of selection disclosed employs the Streptomyces bar gene introduced by microprojectile bombardment into embryogenic maize cells which were grown in suspension cultures, followed by exposure to the herbicide bialaphos. The methods of achieving stables transformation disclosed herein include tissue culture methods and media, methods for the bombardment of recipient cells with the desired transforming DNA, and methods of growing fertile plants from the transformed cells. This invention also relates to the transformed cells and seeds and to the fertile plants grown from the transformed cells and to their pollen.

11/3,AB/25 (Item 20 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4239630

Derwent Accession: 2000-022821

Utility

C/ Methods and compositions for the production of stably transformed, fertile monocot plants and cells thereof

; FERTILE TRANSGENIC ZEA MAYS PLANT WITH HETEROLOGOUS CHIMERIC DNA WHICH CAN BE TRANSMITTED TO PROGENY GENERATION AND CONFERS INSECT RESISTANCE

Inventor: Lundquist, Ronald C., Minnetonka, MN

Walters, David A., Groton, CT

Kirihara, Julie A., Bloomington, MN

Assignee: Dekalb Genetics Corporation (02), Dekalb, IL

DeKalb Genetics Corp (Code: 35285)

Examiner: Benzion, Gary (Art Unit: 169)

Law Firm: Schwegman, Lundberg, Woessner, and Kluth, P.A.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5990390	A	19991123	US 96622740	19960327
Division	Pending			US 93112245	19930825
CIP	Pending			US 90636089	19901228
CIP	US 5484956	A		US 90508045	19900411
CIP	US 5081396	A		US 90467989	19900122

Fulltext Word Count: 67749

#### Abstract:

This invention relates to a reproducible system for the production of stable, genetically transformed maize cells, and to methods of selecting cells that have been transformed. One method of selection disclosed employs the streptomyces bar gene introduced by microprojectile bombardment into embryogenic maize cells which were grown in suspension cultures, followed by exposure to the herbicide bialaphos. The methods of achieving stable transformation disclosed herein include tissue culture methods and media, methods for the bombardment of recipient cells with the desired transforming DNA, and methods of growing fertile plants from the transformed cells. This invention also relates to the transformed cells and seeds and to the fertile plants grown from the transformed cells and to their pollen.

11/3,AB/26 (Item 21 from file: 654)

DIALOG(R)File 654:US Pat.Full.

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4216969

Derwent Accession: 1999-590452

Utility

CERTIFICATE OF CORRECTION

C/ Methods and compositions for the production of stably transformed fertile monocot plants and cells thereof

; CEREAL PLANTS, OTHER THAN MAIZE OR RICE, THAT COMPRISE AN EXOGENOUS DNA EXPRESSING PHOSPHINOTHRICIN ACETYL TRANSFERASE TO IMPART RESISTANCE TO PHOSPHINOTHRICIN IN SAID CEREAL PLANTS.

Inventor: Adams, Thomas R., Number Stonington, CT

Chambers, Sheryl A., Groton, CT

Daines, Richard J., Ledyard, CT

Gordon-Kamm, William J., Stonington, CT

Kausch, Albert P., Stonington, CT

Lemaux, Peggy G., Mystic, CT

Mackey, Catherine J., Old Lyme, CT

Mangano, May L., Westerly, RI

O'Brien, James V., Mystic, CT

Rice, Thomas B., Waterford, CT

Spencer, T. Michael, Mystic, CT

Start, William G., North Stonington, CT

Willettts, Nancy G., Mantic, CT

Assignee: Dekalb Genetics Corporation (02), Dekalb, IL

DeKalb Genetics Corp (Code: 35285)

Examiner: Benzion, Gary (Art Unit: 169)

Law Firm: Schwegman, Lundberg Woessner, and Kluth, P.A.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5969213	A	19991019	US 95446930	19950523

Continuation US 5550318 A US 90565844 19900809  
CIP Abandoned US 90513298 19900417

Fulltext Word Count: 20810

Abstract:

This invention relates to stable and genetically transformed cereal plants, other than maize or rice, that comprise an exogenous DNA expressing phosphinothricin acetyl transferase to impart resistance to phosphinothricin in said cereal plants. Cereal plants within the scope of the invention include, but are not limited to, wheat, barley and oats. The invention also pertains to transgenic cereal plants which further comprise screenable markers and transgenic seed obtained from said plants.

11/3,AB/27 (Item 22 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4201726  
Derwent Accession: 1997-100160  
Utility

C/ Sequences for production of 2,4-Diacetylphloroglucinol and methods  
; NUCLEIC ACID SEQUENCE THAT CODES FOR A HETEROLOGOUS BACTERIAL PROTEIN AND  
A PROTEIN INVOLVED IN ANTIBIOTIC BIOSYNTHESIS  
Inventor: Thomashow, Linda S., Pullman, WA  
Bangera, Mahalaxmi, Pullman, WA  
Weller, David M., Pullman, WA  
Cook, R. James, Pullman, WA  
Assignee: The United States of America as represented by the Secretary of  
Agriculture (02), Washington, DC  
Washington State University Research Foundation (02), Pullman, WA  
U S of America Agriculture Secretary of  
Washington State University Research Foundation (Code: 86512  
90675)  
Examiner: Lau, Kawai (Art Unit: 162)  
Combined Principal Attorneys: Silverstein, M. Howard; Fado, John D.;  
Connor, Margaret A.

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 5955298	A	19990921	US 95494907	19950626

Fulltext Word Count: 20488

Abstract:

DNA sequences which function specifically in the synthesis of 2,4-diacetylphloroglucinol (Phl) are described. The sequences include phl genes which encode phl gene proteins and coding and regulatory sequences for production of Phl as well as sequences containing phl genes, which sequences have the capability of conferring or enhancing Phl biosynthetic capability in bacterial strains. The transformed strains are useful as biocontrol agents against fungal pathogens.

11/3,AB/28 (Item 23 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4173792  
Derwent Accession: 1999-347480  
Utility  
CERTIFICATE OF CORRECTION  
C/ Nucleic acid sequence encoding FLP recombinase  
; MAIZE PLANTS

Inventor: Baszcynski, Christopher L., Urbandale, IA  
 Bowen, Benjamin A., Des Moines, IA  
 Drummond, Bruce J., Des Moines, IA  
 Gordon-Kamm, William J., Urbandale, IA  
 Peterson, David J., Ames, IA  
 Sandahl, Gary A., West Des Moines, IA  
 Tagliani, Laura A., Ankeny, IA  
 Zhao, Zuo-Yu, Urbandale, IA  
 Assignee: Pioneer Hi-Bred International (02), Johnston, IA  
 Pioneer Hi-Bred International Inc (Code: 17947)  
 Examiner: Robinson, Douglas W. (Art Unit: 169)  
 Assistant Examiner: Zaghmout, Ousama M-Faiz  
 Law Firm: Alston & Bird LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5929301	A	19990727	US 97972258	19971118

Fulltext Word Count: 17931

# Abstract:

A nucleic acid sequence effectively expressing FLP recombinase in monocot plants, particularly in maize. Stable, transformed maize plants harboring a gene encoding FLP or harboring FRT nucleic acid sequences enable efficient site-directed recombination of nucleic acid sequences in a monocot's genome.

11/3,AB/29 (Item 24 from file: 654)  
 DIALOG(R) File 654:US Pat.Full.  
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

4163672  
 Derwent Accession: 1999-394627  
 Utility

## CERTIFICATE OF CORRECTION

C/ Methods and compositions for the production of stably transformed, fertile monocot plants and cells thereof

Inventor: Adams, Thomas R., North Stonington, CT  
 Chambers, Sheryl A., Groton, CT  
 Daines, Richard J., Ledyard, CT  
 Gordon-Kamm, William J., Stonington, CT  
 Kausch, Albert P., Stonington, CT  
 Lemaux, Peggy G., Mystic, CT  
 Mackey, Catherine J., Old Lyme, CT  
 Mangano, Mary L., Westerly, RI  
 O'Brien, James V., Mystic, CT  
 Rice, Thomas B., Waterford, CT  
 Spencer, T. Michael, Mystic, CT  
 Start, William G., North Stonington, CT  
 Willetts, Nancy G., Niantic, CT  
 Assignee: DeKalb Genetics Corporation (02), DeKalb, IL  
 DeKalb Genetics Corp (Code: 35285)  
 Examiner: Benzion, Gary (Art Unit: 169)  
 Law Firm: Schwegman, Lundberg, Woessner, and Kluth, P.A.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5919675	A	19990706	US 95446933	19950523
Division	US 5550318	A		US 90565844	19900809
Continuation	US 5489520	A		US 94233067	19940426
CIP	Abandoned			US 90513298	19900417

Fulltext Word Count: 21426

Abstract:

This invention relates to a method for the production of stable, genetically transformed, Zea mays plants that comprise an exogenous DNA expressing phosphinothricin acetyl transferase to impart resistance to phosphinothricin in said plants. The method further comprises transforming said Zea mays plants with a second gene and further still wherein said second gene imparts insect resistance, such as the expression of a %Bacillus% thuringiensis toxin gene. The method for achieving stable transformation includes tissue culture methods and media, methods for the bombardment of recipient cells with said DNA's, and methods of regenerating fertile plants from transformed cells. The invention also pertains to a method of breeding said transgenic Zea mays plants with a either a non-transgenic plant or a transgenic plant, and the obtention of fertile transgenic plants and seed therefrom.

11/3,AB/30 (Item 25 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4112627

Derwent Accession: 1999-179982

Utility

C/ Methods and compositions for the production of stably transformed fertile monocot plants and cells thereof  
; CONTACTING MONOCOTYLEDONOUS CELLS OTHER THAN MAIZE OR RICE WITH DNA COMPOSITION COMPRISING PHOSPHINOTHRICIN ACETYL TRANSFERASE GENE UNDER CONDITIONS OF MICROPROJECTILE BOMBARDING ALLOWING UPTAKE OF DNA;  
REGENERATING PLANTS

Inventor: Adams, Thomas R., Number Stonington, CT  
Chambers, Sheryl A., Groton, CT  
Daines, Richard J., Ledyard, CT  
Gordon-Kamm, William J., Stonington, CT  
Kausch, Albert P., Stonington, CT  
Lemaux, Peggy G., Mystic, CT  
Mackey, Catherine J., Old Lyme, CT  
Mangano, Mary L., Westerly, RI  
O'Brien, James V., Mystic, CT  
Rice, Thomas B., Waterford, CT  
Spencer, T. Michael, Mystic, CT  
Start, William G., North Stonington, CT  
Willetts, Nancy G., Niantic, CT

Assignee: Dekalb Genetics Corporation (02), DeKalb, IL  
DeKalb Genetics Corp (Code: 35285)

Examiner: Benzion, Gary (Art Unit: 169)

Law Firm: Schwegman, Lundberg, Woessner, and Kluth, P.A.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5874265	A	19990223	US 95446931	19950523
Continuation	US 5550318	A		US 90565844	19900809
CIP	Abandoned			US 90513298	19900417

Fulltext Word Count: 21247

Abstract:

This invention relates to a method for the production of stable, genetically transformed cereal plants, other than maize or rice, that comprise an exogenous DNA expressing phosphinothricin acetyl transferase to impart resistance to phosphinothricin in said cereal plants. Cereal plants within the scope of the method include, but are not limited to, wheat, barley and oats. The invention also pertains to a method of breeding said transgenic cereal plants with a either a non-transgenic plant or a transgenic plant, and the obtention of fertile transgenic plants and seed therefrom.

11/3,AB/31 (Item 26 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
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4103906

Derwent Accession: 1999-141936

Utility

C/ Cloning of the biosynthetic pathway for chlortetracycline and  
tetracycline formation and cosmid useful therein

; MIXTURE OF TWO PLASMIDS FOR CLONING

Inventor: Ryan, Michael J., West Milford, NJ

Lotvin, Jason A., Union, NJ

Strathy, Nancy, Monsey, NY

Fantini, Susan E., Ridgewood, NJ

Assignee: American Cyanamid Company (02), Madison, NJ

American Cyanamid Co (Code: 02888)

Examiner: Ketter, James (Art Unit: 166)

Assistant Examiner: Yucel, Irem

Combined Principal Attorneys: Rosenblum, Anne M.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5866410	A	19990202	US 95474933	19950607
Division	US 5589385	A		US 93125468	19930922
Continuation	Abandoned			US 90558040	19900726
Continuation	Abandoned			US 90558039	19900726
CIP	Abandoned			US 92821109	19920115
CIP	Abandoned			US 92821419	19920115
	Pending			US 125468	

Fulltext Word Count: 8851

Abstract:

The present invention describes a purified and isolated nucleic acid molecule which encodes for the biosynthetic pathway of tetracycline, chlortetracycline or an analogue thereof. The invention relates to the isolation and cloning of the nucleic acid molecule in an isolated fragment from Streptomyces aureofaciens and the expression of the biosynthetic gene in a heterologous host such as Streptomyces lividans.

11/3,AB/32 (Item 27 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3802374

Derwent Accession: 1997-076853

Utility

CERTIFICATE OF CORRECTION

C/ Cloning of the biosynthetic pathway for chlortetracycline and  
tetracycline formation and cosmid useful therein

Inventor: Ryan, Michael J., West Milford, NJ

Lotvin, Jason A., Union, NJ

Strathy, Nancy, Monsey, NY

Fantini, Susan E., Ridgewood, NJ

Assignee: American Cyanamid Company (02), Wayne, NJ

American Cyanamid Co (Code: 02888)

Examiner: Fleisher, Mindy (Art Unit: 185)

Assistant Examiner: Carter, Philip W.

Combined Principal Attorneys: Rosenblum, Anne M.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5589385	A	19961231	US 93125468	19930922
Continuation	Abandoned			US 90558039	19900726
Continuation	Abandoned			US 90558040	19900726

CIP	Abandoned	US 92821109	19920115
	Abandoned	US 92821419	19920115
	Pending	US 821109	

Fulltext Word Count: 8993

#### Abstract:

The present invention describes a purified and isolated nucleic acid molecule which encodes for the biosynthetic pathway of tetracycline, chlortetracycline or an analogue thereof. The invention relates to the isolation and cloning of the nucleic acid molecule in an isolated fragment from *Streptomyces aureofaciens* and the expression of the biosynthetic gene in a heterologous host such as *Streptomyces lividans*.

11/3,AB/33 (Item 28 from file: 654)  
 DIALOG(R) File 654:US Pat.Full.  
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3759545

Derwent Accession: 1991-073544

LitAlert Accession: P2003-34-08; P1996-45-08; P1996-46-16; P1996-46-17;  
 P1996-46-18 \*\*See File 670 for Litigation

#### Utility

C/ Methods and compositions for the production of stably transformed, fertile monocot plants and cells thereof  
 ; INTRODUCING STREPTOMYCES BAR GENE BY MICROPROJECTILE BOMBARDMENT FOLLOWED BY EXPOSURE TO HERBICIDE BIALAPHOS

Inventor: Adams, Thomas R., Number Stonington, CT  
 Chambers, Sheryl A., Groton, CT  
 Daines, Richard J., Ledyard, CT  
 Gordon-Kamm, William J., Stonington, CT  
 Kausch, Albert P., Stonington, CT  
 Lemaux, Peggy G., Mystic, CT  
 Mackey, Catherine J., Old Lyme, CT  
 Mangano, Mary L., Westerly, RI  
 O'Brien, James V., Mystic, CT  
 Rice, Thomas B., Waterford, CT  
 Spencer, T. Michael, Mystic, CT  
 Start, William G., North Stonington, CT  
 Willetts, Nancy G., Niantic, CT  
 Assignee: Dekalb Genetics Corporation (02), Dekalb, IL  
 DeKalb Genetics Corp (Code: 35285)  
 Examiner: Benzion, Gary (Art Unit: 183)  
 Law Firm: Arnold, White & Durkee

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5550318	A	19960827	US 90565844	19900809
Continuation	Abandoned			US 90513298	19900417

Fulltext Word Count: 21008

#### Abstract:

This invention relates to a reproducible system for the production of stable, genetically transformed maize cells, and to methods of selecting cells that have been transformed. One method of selection disclosed employs the *Streptomyces bar* gene introduced by microprojectile bombardment into embryogenic maize cells which were grown in suspension cultures, followed by exposure to the herbicide bialaphos. The methods of achieving stable transformation disclosed herein include tissue culture methods and media, methods for the bombardment of recipient cells with the desired transforming DNA, and methods of growing fertile plants from the transformed cells. This invention also relates to the transformed cells and seeds and to the fertile plants grown from the transformed cells and to their pollen.

11/3,AB/34 (Item 29 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3692643  
Derwent Accession: 1996-115616  
LitAlert Accession: P1996-22-17; P1996-38-07; P1996-46-35; P1999-36-09  
\*\*See File 670 for Litigation

Utility  
C/ Process of producing fertile transgenic zea mays plants and progeny comprising a gene encoding phosphinothricin acetyl transferase  
; GENETIC ENGINEERING OF MONOCOTYLEDONS, ESPECIALLY CORN, BY BOMBARDMENT OF SEED EMBRYOS BY DNA-COATED MICROPROJECTILES, THE DNA COMPRISING A MARKER GENE ENCODING FOR PHOSPHINOTHRICIN ACETYL TRANSFERASE

Inventor: Adams, Thomas R., North Stonington, CT  
Chambers, Sheryl A., Groton, CT  
Daines, Richard J., Ledyard, CT  
Gordon-Kamm, William J., Stonington, CT  
Kausch, Albert P., Stonington, CT  
Lemaux, Peggy G., Mystic, CT  
Mackey, Catherine J., Old Lyme, CT  
Mangano, Mary L., Westerly, RI  
O'Brien, James V., Mystic, CT  
Rice, Thomas B., Waterford, CT  
Spencer, T. Michael, Mystic, CT  
Start, William G., North Stonington, CT  
Willettts, Nancy G., Niantic, CT  
Assignee: DEKALB Genetics Corporation (02), DeKalb, IL  
DeKalb Genetics Corp (Code: 35285)  
Examiner: Benzion, Gary (Art Unit: 183)  
Law Firm: Arnold, White & Durkee

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5489520	A	19960206	US 94233067	19940426
Division	Pending			US 90565844	19900809
CIP	Abandoned			US 90513298	19900417

Fulltext Word Count: 20871

#### Abstract:

This invention relates to a reproducible system for the production of stable, genetically transformed maize cells, and to methods of selecting cells that have been transformed. One method of selection disclosed employs the Streptomyces bar gene introduced by microprojectile bombardment into embryogenic maize cells which were grown in suspension cultures, followed by exposure to the herbicide bialaphos. The methods of achieving stable transformation disclosed herein include tissue culture methods and media, methods for the bombardment of recipient cells with the desired transforming DNA, and methods of growing fertile plants from the transformed cells. This invention also relates to the transformed cells and seeds and to the fertile plants grown from the transformed cells and to their pollen.

11/3,AB/35 (Item 30 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3544874  
Derwent Accession: 1991-073536  
Utility  
REASSIGNED

C/ Processes for in vivo production of astaxanthin and phaffia rhodozyma yeast of enhanced astaxanthin content



; REDDISH CAROTENOID PIGMENT

Inventor: Johnson, Eric A., Madison, WI  
Yang, Huei-hsiung, Rockville, MD  
Geldiay-Tuncer, Beril, Bostanli-Karsiyaka, TR  
Hall, William T., Rockville, MD  
Schreiber, David, Columbia, MD  
Ho, Kwok, San Diego, CA  
Assignee: Igene Biotechnology, Inc. (02), Columbia, MD  
Igene Biotechnology Inc (Code: 16380)  
Examiner: Lilling, Herbert J. (Art Unit: 188)  
Law Firm: Sughrue, Mion, Zinn, Macpeak & Seas

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5356809	A	19941018	US 92837120	19920214
Division	Pending			US 89399183	19890823
Continuation	Abandoned			US 89385961	19890728
CIP	Abandoned			US 88229536	19880808

Fulltext Word Count: 8003

Abstract:

An economical process for in vivo production of the pigment astaxanthin, and particularly a process for enhancing astaxanthin content of cultures of microorganisms of genus Phaffia, the process comprising culturing a microorganism of genus Phaffia in a nutrient medium containing an antibiotic, a cytochrome B inhibitor, or a terpenoid synthetic pathway inhibitor, cultivating surviving pigment enhanced microorganisms, and harvesting the yeast.

11/3,AB/36 (Item 31 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3469549  
Derwent Accession: 1989-174429  
Utility  
C/ Cercosporal fungicide compositions and methods of use  
Inventor: Nielsen, Ruby I., Farum, DK  
Assignee: Novo Nordisk A/S (03), DK  
Novo Nordisk A/S DK (Code: 60996)  
Examiner: Hill, Jr., Robert J. (Art Unit: 182)  
Assistant Examiner: Carlson, K. Cochrane  
Law Firm: Sterne, Kessler, Goldstein & Fox

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5288624	A	19940222	US 91713463	19910613
Continuation	Abandoned			US 88271712	19881116
CIP	Abandoned			US 90564691	19900808
Priority				DK 604687	19871117

Fulltext Word Count: 5983

Abstract:

The present invention relates to a fungicidally active principle (fungicidal agent) obtainable by cultivation of fungi of the genus Phaeoramularia or Cercospora. The principle can be used for controlling fungi in plants and animals, including mammals.

11/3,AB/37 (Item 32 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3390290

Derwent Accession: 1993-196243

Utility

EXPIRED

C/ Process for the preparation of [alpha]-glucosidase inhibitor, pradimicin Q

; CULTIVATION OF ACTING MADURA UNDER AEROBIC CONDITIONS

Inventor: Sawada, Yosuke, Tokyo, JP

Ueki, Tomokazu, Kanagawa, JP

Tsuno, Takashi, Tokyo, JP

Oki, Toshikazu, Yokohama, JP

Assignee: Bristol-Myers Squibb Company (02), New York, NY

Bristol-Myers Squibb Co (Code: 22921)

Examiner: Lilling, Herbert J. (Art Unit: 188)

Combined Principal Attorneys: Yang, Mollie M.

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 5217877	A	19930608	US 91806059	19911211
Division	US 5091418	A		US 90589729	19900928

Fulltext Word Count: 3417

Abstract:

The present invention relates to a novel [alpha]-glucosidase inhibitor, pradimicin Q, having the following formula

(chemical structure - see patent image)

and its pharmaceutically acceptable base salts.

11/3,AB/38 (Item 33 from file: 654)

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2004 The Dialog Corp. All rts. reserv.

3351006

Derwent Accession: 1991-073536

Utility

REASSIGNED

C/ Processes for in vivo production of astaxanthin and phaffia rhodozyma yeast of enhanced astaxanthin content

; %RED% CAROTENOID %PIGMENT%

Inventor: Johnson, Eric A., Madison, WI

Schreiber, David, Columbia, MD

Ho, Kwok P., Columbia, MD

Hall, William T., Rockville, MD

Yang, Huei-hsiung, Rockville, MD

Geldiay-Tuncer, Beril, College Park, MD

Assignee: Igene Biotechnology, Inc. (02), Columbia, MD

Igene Biotechnology Inc (Code: 16380)

Examiner: Lilling, Herbert J. (Art Unit: 188)

Law Firm: Sughrue, Mion, Zinn Macpeak & Seas

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 5182208	A	19930126	US 89399183	19890823
Continuation	Abandoned			US 89385961	19890728
CIP	Abandoned			US 88229536	19880808

Fulltext Word Count: 8728

Abstract:

An economical process for in vivo production of the pigment

astaxanthin, and particularly a process for enhancing astaxanthin content of cultures of microorganisms of genus Phaffia, the process comprising culturing a microorganism of genus Phaffia in a nutrient medium containing an antibiotic, a cytochrome B inhibitor, or a terpenoid synthetic pathway inhibitor, cultivating surviving pigment enhanced microorganisms, and harvesting the yeast.

11/3,AB/39 (Item 34 from file: 654)  
DIALOG(R) File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3251471  
Derwent Accession: 1992-088412  
Utility  
EXPIRED  
C/ Novel alpha-glucosidase inhibitor, pradimicin Q  
; ANTIDIABETIC AGENTS  
Inventor: Sawada, Yosuke, Tokyo, JP  
Ueki, Tomokazu, Kanagawa, JP  
Tsuno, Takashi, Tokyo, JP  
Oki, Toshikazu, Yokohama, JP  
Assignee: Bristol-Myers Squibb Company (02), New York, NY  
Bristol-Myers Squibb Co (Code: 22921)  
Examiner: Cintins, Marianne (Art Unit: 126)  
Assistant Examiner: Kestler, Kimberly J.  
Combined Principal Attorneys: Yang, Mollie M.

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 5091418	A	19920225	US 90589729	19900928

Fulltext Word Count: 3385

Abstract:

The present invention relates to a novel [alpha]-glucosidase inhibitor, pradimicin Q, having the following formula

(chemical structure - see patent image)

and its pharmaceutically acceptable base salts.

11/3,AB/40 (Item 35 from file: 654)  
DIALOG(R) File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3152107  
Derwent Accession: 1991-065340; 1991-108836  
Utility  
EXPIRED  
C/ BU-3839T antibiotic  
Inventor: Konishi, Masataka, Kawasaki, JP  
Shimizu, Keiko, Tokyo, JP  
Ohbayashi, Masaru, Tokyo, JP  
Tomita, Koji, Tokyo, JP  
Miyaki, Takeo, Yokohama, JP  
Oki, Toshikazu, Yokohama, JP  
Assignee: Bristol-Myers Company (02), New York, NY  
Bristol-Myers Co (Code: 11376)  
Examiner: Lilling, Herbert J. (Art Unit: 188)  
Combined Principal Attorneys: Morse, David M.

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 5001058	A	19910319	US 89437728	19891117
Division	US 4927848	A		US 88246393	19880919

Fulltext Word Count: 3582

Abstract:

A new antibiotic having the chromophore structure of the plurmycin family of antibiotics is produced by fermentation of Streptomyces violaceus ATCC 53807. The new antibiotic designated BU-3839T, exhibits potent antibacterial activity and also inhibits the growth of tumors in experimental animal systems.

11/3,AB/41 (Item 36 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3142420  
Derwent Accession: 1991-065340  
Utility  
EXPIRED  
C/ Biological pure culture of Streptomyces violaceus ATCC 53807  
; AANTITUMOR AGENTS; BACTERICIDES  
Inventor: Konishi, Masataka, Kawasaki, JP  
Shimizu, Keiko, Tokyo, JP  
Ohbayashi, Masaru, Tokyo, JP  
Tomita, Koji, Tokyo, JP  
Miyaki, Takeo, Yokohama, JP  
Oki, Toshikazu, Yokohama, JP  
Assignee: Bristol-Myers Company (02), New York, NY  
Bristol-Myers Co (Code: 11376)  
Examiner: Lilling, Herbert J. (Art Unit: 188)  
Combined Principal Attorneys: Morse, David M.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4992376	A	19910212	US 90555888	19900723
Division	US 4927848	A		US 88246393	19880919
Continuation	Pending			US 89437728	19891117

Fulltext Word Count: 3531

Abstract:

An new antibiotic having the chromophore structure of the pluramycin family of antibiotics is produced by fermentation of Streptomyces violaceus ATCC 53807. The new antibiotic designated BU-3839T, exhibits potent antibacterial activity and also inhibits the growth of tumors in experimental animal systems.

?

Set	Items	Description
S1	708397	BACILLUS
S2	12	S1 AND YVMC
S3	12	RD (unique items)
S4	13	S1 AND CYPX
S5	13	RD (unique items)
S6	381	S1 AND RED (1W) PIGMENT
S7	4	S6 AND PIGMENT (1W) DEFICIENT
S8	4	RD (unique items)
S9	143	S6 AND MUTANT
S10	132	RD (unique items)
S11	81	S10 NOT PY>2002

? t s11/3,ab/42-81

>>>No matching display code(s) found in file(s): 65, 129, 135, 180, 332, 336, 342, 345, 390-391, 398

11/3,AB/42 (Item 37 from file: 654)  
 DIALOG(R)File 654:US Pat.Full.  
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

3070843  
 Derwent Accession: 1990-185697  
 Utility  
 EXPIRED  
 C/ BU-3839T antibiotic  
 ; ANTITUMOR  
 Inventor: Konishi, Masataka, Kawasaki, JP  
 Shimizu, Keiko, Tokyo, JP  
 Ohbayashi, Masaru, Tokyo, JP  
 Tomita, Koji, Tokyo, JP  
 Miyaki, Takeo, Yokohama, JP  
 Oki, Toshikazu, Yokohama, JP  
 Assignee: Bristol-Myers Company (02), New York, NY  
 Bristol-Myers Co (Code: 11376)  
 Examiner: Chan, Nicky (Art Unit: 126)  
 Combined Principal Attorneys: Morse, David M.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4927848	A	19900522	US 88246393	19880919

Fulltext Word Count: 3522

#### Abstract:

A new antibiotic having the chromophore structure of the pluramycin family of antibiotics is produced by fermentation of Streptomyces ciolaceus ATCC 53807. The new antibiotic designated BU-3839T, exhibits potent antibacterial activity and also inhibits the growth of tumors in experimental animal systems.

11/3,AB/43 (Item 38 from file: 654)  
 DIALOG(R)File 654:US Pat.Full.  
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

3045739  
 Derwent Accession: 1990-115446  
 Utility  
 EXPIRED  
 C/ Antibiotic A80915 and process for its production  
 Inventor: Fukuda, David S., Brownsburg, IN  
 Mynderse, Jon S., Indianapolis, IN  
 Yao, Raymond C., Carmel, IN  
 Assignee: Eli Lilly and Company (02), Indianapolis, IN  
 Lilly, Eli and Co (Code: 49800)  
 Examiner: Griffin, Ronald W. (Art Unit: 183)

Patent and Priority Information (Country, Number, Date):

Patent: WO 9906566 A1 19990211  
Application: WO 98US15917 19980731 (PCT/WO US9815917)  
Priority Application: US 97903944 19970731

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

MX AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 22016

English Abstract

Since its introduction into North America over 170 years ago, the poinsettia has become a major ornamental potted plant, and is an important component of the U.S. floral industry. Susceptibility to insect pests and diseases caused by pathogens remains a problem for poinsettia production, even under greenhouse conditions. While chemical treatment can control certain insect pests and disease pathogens, such treatment can also have an adverse effect upon poinsettias. The methods described herein provide a means to genetically engineer transgenic poinsettia that express macromolecules capable of protecting the plant against the insects and pathogens. The production of transgenic plants can also be used to enhance the commercial value of poinsettia by controlling characteristics such as flower color.

French Abstract

Depuis son introduction en Amerique du Nord il y a plus de 170 ans, le poinsettia est devenu une plante ornementale en pot importante et constitue une composante importante de l'industrie florale americaine. La sensibilite aux insectes nuisibles et aux maladies induites par des agents pathogenes reste un probleme pour la production du poinsettia, meme sous serre. Meme si un traitement chimique permet de lutter contre certains insectes nuisibles et certains agents pathogenes induisant des maladies, ce type de traitement peut egalement avoir des effets nefastes sur les poinsettias. Les methodes ci-decrites prevoient un moyen de produire par genie genetique un poinsettia transgenique qui exprime des macromolecules capables de proteger la plante contre les insectes et les agents pathogenes. La production de plantes transgeniques peut egalement servir a augmenter la valeur commerciale du poinsettia en regulant des caracteristiques telles que la couleur de la plante.

11/3,AB/67 (Item 22 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00400491

A NEW, PIGMENT-PRODUCING, STRAIN OF %BACILLUS% THURINGIENSIS  
NOUVELLE SOUCHE DU %BACILLUS% THURINGIENSIS PRODUCTRICE DE PIGMENT

Patent Applicant/Assignee:

UNIVERSITY OF WATERLOO,  
OLOKE Julius Kola,  
GLICK Bernard Robert,

Inventor(s):

OLOKE Julius Kola,  
GLICK Bernard Robert,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9741235 A2 19971106  
Application: WO 97CA286 19970430 (PCT/WO CA9700286)  
Priority Application: GB 969095 19960501

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU  
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU GH KE LS MW SD SZ  
UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

*doesn't teach mutagenesis*

English Abstract

The present disclosure describes an isolated and purified strain of %Bacillus% thuringiensis, referred to as %Bacillus% thuringiensis subsp. oloke that naturally produces a salmon/%red%-coloured %pigment% with physical and chemical properties that are consistent with it being a form of melanin. The invention described is capable of providing photoprotection to insecticidal toxins including the %Bacillus% thuringiensis subspecies of the present invention as well as other toxins which are susceptible to photoinactivation. Further, the present invention provides a pigment capable of conferring photoprotection on other organisms with the features of being a light coloured protectant.

French Abstract

Cette invention a trait a une souche isolee et purifiee du %Bacillus% thuringiensis, denommee %Bacillus% thuringiensis, sous-espece oloke, qui produit naturellement un pigment colore saumon/rouge dont les proprietes physico-chimiques indiquent qu'il s'agit d'une forme de melanine. La souche selon cette invention est capable d'assurer une photoprotection a des toxines insecticides, la sous-espece du %Bacillus% thuringiensis, notamment, ainsi qu'a d'autres toxines sensibles a une inactivation par les rayons solaires. Cette invention a trait, en outre, a un pigment a meme de conferer une photoprotection a d'autres organismes, ce pigment se caracterisant par le fait qu'il est un agent protecteur colore contre la lumiere.

11/3,AB/68 (Item 23 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00287979

FERTILE, TRANSGENIC MAIZE PLANTS AND METHODS FOR THEIR PRODUCTION  
PLANTES DE MAIS TRANSGENIQUES FERTILES ET LEURS PROCEDES DE PRODUCTION

Patent Applicant/Assignee:

DEKALB GENETICS CORPORATION,

Inventor(s):

DAMS Thomas R,  
ANDERSON Paul C,  
DAINES Richard J,  
GORDON-KAMM William J,  
KAUSCH Albert P,  
MACKEY Catherine J,  
OROZCO Emil M Jr,  
ORR Peter M,  
STEPHENS Michael A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9506128 A2 19950302  
Application: WO 94US9699 19940824 (PCT/WO US9409699)  
Priority Application: US 93113561 19930825

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KE KG KP KR KZ  
LK LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN  
KE MW SD AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI  
CM GA GN ML MR NE SN TD TG

Fulltext Word Count: 78490

English Abstract

This invention relates to a reproducible system for the production of stable, genetically transformed maize cells, and to methods of selecting cells that have been transformed. One method of selection disclosed employs the Streptomyces bar gene introduced by microprojectile bombardment into embryonic maize cells which were grown in suspension cultures, followed by exposure to the herbicide bialaphos. The methods of achieving stable transformation disclosed herein include tissue culture methods and media, methods for the bombardment of recipient cells with